# **SAFETY DATA SHEET**

Date of issue/Date of revision

United Arab Emirates

# SECTION 1: Identification of the substance/mixture and of the company/ undertaking

: 13 August 2024

Version

: 6.01

| 1.1 Product identifier           |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| Product name                     | : SIGMA ECOFLEET 290 REDBROWN                                     |
| Product code                     | : 00331470                                                        |
| Other means of identificat       | lion                                                              |
| Not available.                   |                                                                   |
|                                  |                                                                   |
| 1.2 Relevant identified uses     | s of the substance or mixture and uses advised against            |
| Product use                      | : Professional applications, Used by spraying.                    |
| Use of the substance/<br>mixture | : Antifouling products                                            |
| Uses advised against             | : Product is not intended, labelled or packaged for consumer use. |
| 1.3 Details of the supplier o    | f the safety data sheet                                           |

## Sigma Paint Saudi Arabia Ltd. PO Box 7509 Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34 e-mail address of person : ndpic@sfda.gov.sa responsible for this SDS 1.4 Emergency telephone : 00966 138473100 extn 1001 number

# **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 3, H335 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

| Code : 00331470                                                                                                                                   |                                                                                                                                                                                          | Date of issue/Date of revision                                                                      | : 13 August 2024         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------|
| SIGMA ECOFLEET 290 RED                                                                                                                            | BROWN                                                                                                                                                                                    |                                                                                                     |                          |
| SECTION 2: Hazards                                                                                                                                | identification                                                                                                                                                                           |                                                                                                     |                          |
| Hazard pictograms                                                                                                                                 |                                                                                                                                                                                          |                                                                                                     | •                        |
| Signal word                                                                                                                                       | : Danger                                                                                                                                                                                 |                                                                                                     |                          |
| Hazard statements                                                                                                                                 | : Flammable liquid and<br>Harmful if swallowed<br>May cause an allergi<br>Causes serious eye<br>May cause respirator<br>May cause drowsine<br>May cause cancer.<br>Very toxic to aquatic | c skin reaction.<br>damage.<br>ry irritation.                                                       |                          |
| Precautionary statements                                                                                                                          |                                                                                                                                                                                          |                                                                                                     |                          |
| Prevention                                                                                                                                        |                                                                                                                                                                                          | es, protective clothing and eye or face pro<br>parks, open flames and other ignition sour<br>nment. |                          |
| Response                                                                                                                                          | : Collect spillage.                                                                                                                                                                      |                                                                                                     |                          |
| Storage                                                                                                                                           | : Store in a well-ventila                                                                                                                                                                | ated place. Keep container tightly closed.                                                          |                          |
| Disposal                                                                                                                                          | international regulation                                                                                                                                                                 | and container in accordance with all local,<br>ons.<br>2391, P403 + P233, P501                      | regional, national and   |
| Hazardous ingredients                                                                                                                             | <ul> <li>dicopper oxide<br/>Hydrocarbons, C9, a<br/>rosin<br/>4-methylpentan-2-on<br/>zineb (ISO)<br/>xylene</li> </ul>                                                                  | romatics > 0.1% cumene<br>e                                                                         |                          |
| Supplemental label elements                                                                                                                       | : Not applicable.                                                                                                                                                                        |                                                                                                     |                          |
| Annex XVII - Restrictions<br>on the manufacture,<br>placing on the market and<br>use of certain dangerous<br>substances, mixtures and<br>articles | : Restricted to profess                                                                                                                                                                  | ional users.                                                                                        |                          |
| Special packaging requirem                                                                                                                        | <u>ients</u>                                                                                                                                                                             |                                                                                                     |                          |
| Containers to be fitted<br>with child-resistant<br>fastenings                                                                                     | : Not applicable.                                                                                                                                                                        |                                                                                                     |                          |
| Tactile warning of danger                                                                                                                         | : Not applicable.                                                                                                                                                                        |                                                                                                     |                          |
| 2.3 Other hazards                                                                                                                                 |                                                                                                                                                                                          |                                                                                                     |                          |
| Product meets the criteria<br>for PBT or vPvB                                                                                                     | : This mixture does no                                                                                                                                                                   | ot contain any substances that are assesse                                                          | ed to be a PBT or a vPvl |
| Other hazards which do not result in classification                                                                                               | : Prolonged or repeate                                                                                                                                                                   | ed contact may dry skin and cause irritation                                                        | n.                       |

Code

de : 00331470

Date of issue/Date of revision

: 13 August 2024

SIGMA ECOFLEET 290 REDBROWN

# **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

: Mixture

| If Copper oxide       REACH #:<br>01-2119513794-36<br>EC: 215-270-7 $225 - 550$<br>Acute Tox. 4, H302<br>EVEN Data (11]       Limits (12)<br>Acute Tox. 4, H302<br>EVEN Data (14)       Limits (12)<br>ACUTE Tox. 4, H302<br>EVEN Data (14)       Limits (12)<br>ACUTE Tox. 4, H302<br>EVEN Data (14)       Image Composition<br>(12)       Image Composition<br>(13)       Image Composition<br>(13) <thimage composi<="" th=""><th></th><th></th><th>1</th><th></th><th>1</th><th>1</th></thimage> |                                                                                                                |                                                       | 1           |                                                                                                                               | 1                                                                                                  | 1       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------|
| 1.1.101-21195(370-3)<br>EC: 215-270-7<br>CAS: 1317-39-1<br>Index: 029-002-00-XAcute Tox. 4, H332<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>M [Chronic] = 10ATE [Inhalation (dusts<br>and mixis)] = 3.34 mg/l<br>M [Chronic] = 10Hydrocarbons, C9,<br>aromatics > 0.1% current<br>error 10-2119455851-35<br>CAS: 128001-23-0 $\geq 10 - < 20$<br>EC: 918-668-5<br>CAS: 128001-23-0 $\geq 10 - < 20$<br>Error SE 3, H336<br>Asp. Tox. 1, H300<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066: C $\geq 20\%$ [1]rosinREACH #:<br>01-2119460418-32<br>EC: 322-475-7<br>CAS: 8050-09-7<br>Index: 560-015-00-7 $\geq 10 - \leq 25$<br>Skin Sens. 1, H317 $-$ [1]zinc oxideREACH #:<br>01-2119463881-32<br>EC: 215-222-5<br>CAS: 1314-13-2<br>Index: 606-004-00-4 $\geq 10 - \leq 25$<br>Skin Sens. 1, H317 $-$ [1]4-methylipentan-2-oneREACH #:<br>01-2119473880-30<br>EC: 203-560-1<br>CAS: 108-10-1<br>Index: 606-004-00-4 $\geq 50 - \leq 10$<br>Fiam. Liq. 2, H225<br>Acute Tox. 4, H332<br>STOT SE 3, H335<br>EV H1066: C $\geq 20\%$ [1]zineb (ISO)EC: 253-180-1<br>CAS: 108-10-1<br>Index: 606-004-00-4 $\geq 50 - \leq 10$<br>Fiam. Liq. 2, H225<br>Acute Tox. 4, H332<br>STOT SE 3, H335<br>STOT SE 3, H335<br>STOT SE 3, H335<br>STOT SE 3, H335<br>STOT SE 3, H335<br>Acute Tox. 4, H332<br>Acute Tox. 4, H332<br>ATE [Inhalation<br>(vapours)] = 11 mg/l<br>EV H116, (vapours)] = 11 mg/l<br>EV H117, (vapours)] = 11 mg/l<br>EV H116, (vapours)] = 11 mg/l<br>EV                                            | Product/ingredient name                                                                                        | Identifiers                                           | %           | Classification                                                                                                                | Limits, M-factors                                                                                  | Туре    |
| aromatics > 0.1% cumene       01-2119455851-35<br>EC: 918-668-5<br>CAS: 128001-23-0       Carc. 18, H350<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066       10%<br>EUH066: C ≥ 20%       In         rosin       REACH #:<br>01-2119480418-32<br>EC: 232-475-7<br>CAS: 8050-09-7<br>Index: 650-015-00-7       ≥10 - ≤25       Skin Sens. 1, H317       -       [1] [2]         zinc oxide       REACH #:<br>01-2119463881-32<br>CAS: 1314-13-2<br>Index: 030-013-00-7       ≥10 - ≤25       Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410       M [Acute] = 1<br>M [Chronic] = 1       [1] [2]         4-methylpentan-2-one       REACH #:<br>01-2119473880-30<br>EC: 203-50-1<br>Index: 606-004-00-4       ≥5.0 - ≤10       Flam. Liq. 2, H225<br>Acute Tox. 4, H332<br>Eye Inrit. 2, H319<br>Carc. 2, H351       ATE [Inhalation<br>(vapours]) = 11 mg/l<br>EUH066: C ≥ 20%       [1] [2]         zineb (ISO)       EC: 235-180-1<br>CAS: 12122-67-7<br>Index: 606-004-00-4       ≥1.0 - ≤5.0       Skin Sens. 1, H317<br>STOT SE 3, H336       -       [1]         xylene       REACH #:<br>01-2119482216-32<br>EC: 215-535-7<br>CAS: 12122-67-7<br>Index: 006-078-022       ≥1.0 - ≤5.0       Skin Sens. 1, H317<br>STOT SE 3, H335       -       [1]         12-hydroxyoctadecanoic<br>acid, reaction products with<br>1.3-berzenedimethanamine<br>add, reaction products with<br>1.3-berzenedimethanamine<br>add, reaction products with<br>1.3-berzenedimethanamine<br>add hexamethylenediamine<br>add hexamethylenediamine       REACH #:<br>01-000017900-73<br>EC: 422-40-7<br>EC: 422-40-                                                | dicopper oxide                                                                                                 | 01-2119513794-36<br>EC: 215-270-7<br>CAS: 1317-39-1   | ≥25 - ≤50   | Acute Tox. 4, H332<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400                                                               | ATE [Oral] = 500 mg/<br>kg<br>ATE [Inhalation (dusts<br>and mists)] = 3.34 mg/l<br>M [Acute] = 100 | [1] [2] |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Hydrocarbons, C9,<br>aromatics > 0.1% cumene                                                                   | 01-2119455851-35<br>EC: 918-668-5                     | ≥10 - <20   | Carc. 1B, H350<br>STOT SE 3, H335<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                          | 10%                                                                                                | [1]     |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | rosin                                                                                                          | 01-2119480418-32<br>EC: 232-475-7<br>CAS: 8050-09-7   | ≥10 - ≤25   | Skin Sens. 1, H317                                                                                                            | -                                                                                                  | [1] [2] |
| 101-2119473980-30<br>EC: 203-550-1<br>CAS: 108-10-1<br>Index: 606-004-00-4Acute Tox. 4, H332<br>Eye Irrit. 2, H319<br>Carc. 2, H351<br>STOT SE 3, H336(vapours)] = 11 mg/l<br>EUH066: C $\ge 20\%$ zineb (ISO)EC: 235-180-1<br>CAS: 12122-67-7<br>Index: 006-078-00-2 $\ge 1.0 - \le 5.0$ Skin Sens. 1, H317<br>STOT SE 3, H335-[1]xyleneREACH #:<br>01-2119488216-32<br>EC: 215-535-7<br>CAS: 1330-20-7 $\ge 1.0 - \le 5.0$ Flam. Liq. 3, H226<br>Acute Tox. 4, H312<br>Acute Tox. 4, H312<br>Acute Tox. 4, H312<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H315<br>STOT SE 3, H335ATE [Dermal] = 1700<br>mg/kg<br>ATE [Inhalation (vapours)] = 11 mg/l12-hydroxyoctadecanoic<br>acid, reaction products with<br>1.3-benzenedimethanamine<br>and hexamethylenediamineREACH #:<br>01-000017900-73<br>EC: 432-840-2<br>CAS: 220926-97-6<br>Index: 616-201-00-7 $\ge 0.30 - \\ \le 2.4$ Acute Tox. 4, H332<br>StoT RE 2, H373<br>(lungs) (inhalation)<br>Aquatic Chronic 4, H413ATE [Inhalation (dusts<br>and mists)] = 3.56 mg/l11[1] [2]<br>and mists)] = 3.56 mg/lcopper(II) oxideREACH #: $\le 1.0$ Aquatic Acute 1, H400M [Acute] = 100[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | zinc oxide                                                                                                     | 01-2119463881-32<br>EC: 215-222-5<br>CAS: 1314-13-2   | ≥10 - ≤25   |                                                                                                                               |                                                                                                    | [1]     |
| XyleneCAS: 12122-67-7<br>Index: 006-078-00-2STOT SE 3, H335ATE [Dermal] = 1700<br>mg/kg[1] [2]xyleneREACH #:<br>01-2119488216-32<br>EC: 215-535-7<br>CAS: 1330-20-7 $\geq 1.0 - \leq 5.0$ Flam. Liq. 3, H226<br>Acute Tox. 4, H312<br>Acute Tox. 4, H312<br>Acute Tox. 4, H322<br>STOT SE 3, H335ATE [Dermal] = 1700<br>mg/kg<br>ATE [Inhalation<br>(vapours)] = 11 mg/l12-hydroxyoctadecanoic<br>acid, reaction products with<br>1,3-benzenedimethanamine<br>and hexamethylenediamineREACH #:<br>01-000017900-73<br>EC: 432-840-2<br>CAS: 220926-97-6<br>Index: 616-201-00-7 $\geq 0.30$ -<br>$\leq 2.4$ Acute Tox. 4, H332<br>STOT SE 3, H335<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412ATE [Inhalation (dusts<br>and mists)] = 3.56 mg/l1] [2]<br>and hexamethylenediamineREACH #:<br>CAS: 220926-97-6<br>Index: 616-201-00-7 $\geq 0.40$<br>$\leq 1.0$ Aquatic Acute 1, H400M [Acute] = 100[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4-methylpentan-2-one                                                                                           | 01-2119473980-30<br>EC: 203-550-1<br>CAS: 108-10-1    | ≥5.0 - ≤10  | Acute Tox. 4, H332<br>Eye Irrit. 2, H319<br>Carc. 2, H351<br>STOT SE 3, H336                                                  | (vapours)] = 11 mg/l                                                                               | [1] [2] |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | zineb (ISO)                                                                                                    | CAS: 12122-67-7                                       | ≥1.0 - ≤5.0 |                                                                                                                               | -                                                                                                  | [1]     |
| acid, reaction products with<br>1,3-benzenedimethanamine<br>and hexamethylenediamine01-0000017900-73<br>EC: 432-840-2<br>CAS: 220926-97-6<br>Index: 616-201-00-7 $\leq 2.4$ STOT RE 2, H373<br>(lungs) (inhalation)<br>Aquatic Chronic 4, H413and mists)] = 3.56 mg/lcopper(II) oxideREACH #: $\leq 1.0$ Aquatic Acute 1, H400M [Acute] = 100[1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | xylene                                                                                                         | 01-2119488216-32<br>EC: 215-535-7                     | ≥1.0 - ≤5.0 | Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Asp. Tox. 1, H304 | mg/kg<br>ATE [Inhalation                                                                           | [1] [2] |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12-hydroxyoctadecanoic<br>acid, reaction products with<br>1,3-benzenedimethanamine<br>and hexamethylenediamine | 01-0000017900-73<br>EC: 432-840-2<br>CAS: 220926-97-6 |             | STOT RE 2, H373<br>(lungs) (inhalation)                                                                                       |                                                                                                    | [1] [2] |
| English (GB) United Arab Emirates 3/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | copper(II) oxide                                                                                               | REACH #:                                              | ≤1.0        | Aquatic Acute 1, H400                                                                                                         | M [Acute] = 100                                                                                    | [1]     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                |                                                       | English     | (GB) United Arab Er                                                                                                           | nirates                                                                                            | 3/18    |

| Code : 00331470 |                                                                            | [       | Date of issue/Date of revisi | on : 13 Augu     | st 2024 |
|-----------------|----------------------------------------------------------------------------|---------|------------------------------|------------------|---------|
| SIGMA ECOFLEET  | 290 REDBROWN                                                               |         |                              |                  |         |
| SECTION 3: C    | Composition/informa                                                        | tion on | ingredients                  |                  |         |
|                 | 01-2119502447-44<br>EC: 215-269-1<br>CAS: 1317-38-0<br>Index: 029-016-00-6 | 3       | Aquatic Chronic 1, H410      | M [Chronic] = 10 |         |
| copper          | REACH #:                                                                   | <1.0    | Aquatic Acute 1, H400        | M [Acute] = 1    | [1]     |

| 01-2119480154-42<br>EC: 231-159-6<br>CAS: 7440-50-8 | Aquatic Chronic 3, H412                                                       |  |
|-----------------------------------------------------|-------------------------------------------------------------------------------|--|
|                                                     | See Section 16 for<br>the full text of the H<br>statements declared<br>above. |  |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and pxylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

#### SUB codes represent substances without registered CAS Numbers.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

| an Booonption of mot and h |                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye contact                | : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.                                                                                                                                                                                                                               |
| Inhalation                 | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.                                                                                                                                                                                                    |
| Skin contact               | : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water<br>or use recognised skin cleanser. Do NOT use solvents or thinners.                                                                                                                                                                                                                                             |
| Ingestion                  | <ul> <li>If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>                                                                                                                                                                                                                                            |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects Eye contact : Causes serious eye damage. Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. **Skin contact** : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction. Ingestion : Harmful if swallowed. Can cause central nervous system (CNS) depression.

Over-exposure signs/symptoms

| Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) |  |
|-------------------------------------------------------------------------------------------------------|--|
| 2020/878                                                                                              |  |

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## **SECTION 4: First aid measures**

| Eye contact               | : Adverse symptoms may include the following:<br>pain<br>watering<br>redness                                                                                                              |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness |
| Skin contact              | : Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>dryness<br>cracking<br>blistering may occur                                                             |
| Ingestion                 | : Adverse symptoms may include the following: stomach pains                                                                                                                               |
| 4.3 Indication of any imm | ediate medical attention and special treatment needed                                                                                                                                     |
| Notes to physician        | : In case of inhalation of decomposition products in a fire, symptoms may be delayed.<br>The exposed person may need to be kept under medical surveillance for 48 hours.                  |

| Specific | treatments   |  |
|----------|--------------|--|
| opoonio  | . outinonito |  |

: No specific treatment.

# **SECTION 5: Firefighting measures**

|                                                            |     | English (GB) United Arab Emirates 5/18                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special protective<br>equipment for fire-fighters          | -   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.                                                                             |
| Special precautions for fire-fighters                      | -   | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.                                                                                                                  |
| 5.3 Advice for firefighters                                |     |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Hazardous combustion products                              | :   | Decomposition products may include the following materials:<br>carbon oxides<br>nitrogen oxides<br>sulfur oxides<br>metal oxide/oxides                                                                                                                                                                                                                                                                                              |
| Hazards from the substance or mixture                      | :   | Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In<br>a fire or if heated, a pressure increase will occur and the container may burst, with the<br>risk of a subsequent explosion. This material is very toxic to aquatic life with long<br>lasting effects. Fire water contaminated with this material must be contained and<br>prevented from being discharged to any waterway, sewer or drain. |
| 5.2 Special hazards arising fr                             | ron | n the substance or mixture                                                                                                                                                                                                                                                                                                                                                                                                          |
| Unsuitable extinguishing media                             | :   | Do not use water jet.                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5.1 Extinguishing media<br>Suitable extinguishing<br>media | :   | Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.                                                                                                                                                                                                                                                                                                                                                                      |

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SIGMA ECOFLEET 290 REDBROWN

Date of issue/Date of revision : 13 /

: 13 August 2024

## **SECTION 6: Accidental release measures**

| 6.1 Personal precautions, pro  | tective equipment and emergency procedures                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For non-emergency<br>personnel | : No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilt material. Shut off all ignition sources. No<br>flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide<br>adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put<br>on appropriate personal protective equipment. |
| For emergency responders       | : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".                                                                                                                                                                                                                                                                                   |
| 6.2 Environmental precautions  | : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.                                                                                                                                                        |
| 6.3 Methods and material for   | containment and cleaning up                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Small spill                    | : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.                                                                                                                                          |
| Large spill                    | : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-                                                                                                                                                     |

# SECTION 7: Handling and storage

5

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

See Section 1 for emergency contact information.

See Section 13 for additional waste treatment information.

hazard as the spilt product.

### 7.1 Precautions for safe handling

6.4 Reference to other

sections

| Protective measures                    | : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same

See Section 8 for information on appropriate personal protective equipment.

| Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission | Regulation (EU) |
|---------------------------------------------------------------------------------------|-----------------|
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SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities
Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

## **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 8.1 Control parameters

#### **Occupational exposure limits**

| Product/ingredient name | Exposure limit values                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| rosin                   | Abu Dhabi - OSHAD - Occupational air quality threshold limit<br>values (United Arab Emirates, 7/2016). [copper fume]<br>TWA: 0.2 mg/m <sup>3</sup> 8 hours. Form: fumes<br>ACGIH TLV (United States, 7/2023). [copper fume]<br>TWA: 0.2 mg/m <sup>3</sup> 8 hours. Form: Fume<br>Abu Dhabi - OSHAD - Occupational air quality threshold limit<br>values (United Arab Emirates, 7/2016). Skin sensitiser. Inhalation<br>sensitiser.                                                                                                                                                                                                                                                                                                                                                       |
| zinc oxide              | <ul> <li>ACGIH TLV (United States, 7/2023). [resin acids] Skin sensitiser.</li> <li>Inhalation sensitiser.</li> <li>TWA: 0.001 mg/m<sup>3</sup>, (as total Resin acids) 8 hours. Form: Inhalable fraction</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006).</li> <li>TWA: 5 mg/m<sup>3</sup> 8 hours. Form: fumes</li> <li>STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: fumes</li> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016).</li> <li>STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: measured as respirable fraction of the aerosol and fume</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: measured as respirable fraction of</li> </ul> |
| 4-methylpentan-2-one    | <ul> <li>the aerosol and fume</li> <li>ACGIH TLV (United States, 7/2023). Notes: Respirable fraction;</li> <li>see Appendix C, paragraph C. ACGIH 2003 Adoption</li> <li>STEL: 10 mg/m<sup>3</sup> 15 minutes. Form: Respirable fraction</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction</li> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit</li> <li>values (United Arab Emirates, 7/2016).</li> <li>TWA: 82 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 20 ppm 8 hours.</li> <li>STEL: 307 mg/m<sup>3</sup> 15 minutes.</li> <li>STEL: 75 ppm 15 minutes.</li> </ul>                                                                                                                                                                                 |
|                         | English (GB) United Arab Emirates 7/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIGMA ECOFLEET 290 REDBRC                                                                 | WN                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| diiron trioxide                                                                           | C<br>P<br>A<br>W<br>A                                                                                                                                        | Cabinet Decree (12) of 2006 Regarding Regulation Concerning<br>Protection of Air from Pollution (United Arab Emirates, 5/2006).<br>STEL: 75 ppm 15 minutes.<br>TWA: 205 mg/m <sup>3</sup> 8 hours.<br>STEL: 307 mg/m <sup>3</sup> 15 minutes.<br>TWA: 50 ppm 8 hours.<br>CGIH TLV (United States, 7/2023). Notes: Substances for<br>which there is a Biological Exposure Index or Indices<br>STEL: 75 ppm 15 minutes.<br>TWA: 20 ppm 8 hours.<br>Way and the states of the |
|                                                                                           | th<br>C<br>P<br>A<br>                                                                                                                                        | TWA: 5 mg/m <sup>3</sup> 8 hours. Form: measured as respirable fraction of<br>be aerosol<br>Cabinet Decree (12) of 2006 Regarding Regulation Concerning<br>Protection of Air from Pollution (United Arab Emirates, 5/2006).<br>TWA: 5 mg/m <sup>3</sup> 8 hours.<br>CGIH TLV (United States, 7/2023). Notes: Refers to Appendix B<br>- Substances of Variable Composition. Respirable fraction; see<br>Appendix C, paragraph C.<br>TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1,2,4-trimethylbenzene                                                                    | A<br>vi<br>is<br>A                                                                                                                                           | bu Dhabi - OSHAD - Occupational air quality threshold limit<br>(alues (United Arab Emirates, 7/2016). [trimethyl benzene (mixed<br>somers)]<br>TWA: 123 mg/m <sup>3</sup> 8 hours.<br>TWA: 25 ppm 8 hours.<br>CGIH TLV (United States, 7/2023).<br>TWA: 10 ppm 8 hours.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| xylene                                                                                    | A<br>vi<br>S<br>C<br>P<br>[X<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S                                       | Abu Dhabi - OSHAD - Occupational air quality threshold limit<br>alues (United Arab Emirates, 7/2016). [xylene (o, m & p<br>somers)]<br>STEL: 651 mg/m <sup>3</sup> 15 minutes.<br>STEL: 150 ppm 15 minutes.<br>TWA: 434 mg/m <sup>3</sup> 8 hours.<br>TWA: 100 ppm 8 hours.<br>Cabinet Decree (12) of 2006 Regarding Regulation Concerning<br>Protection of Air from Pollution (United Arab Emirates, 5/2006).<br>Xylene (all isomers)]<br>STEL: 150 ppm 15 minutes.<br>TWA: 434 mg/m <sup>3</sup> 8 hours.<br>STEL: 651 mg/m <sup>3</sup> 15 minutes.<br>TWA: 434 mg/m <sup>3</sup> 8 hours.<br>STEL: 651 mg/m <sup>3</sup> 15 minutes.<br>TWA: 100 ppm 8 hours.<br>CGIH TLV (United States, 7/2023). [p-xylene and mixtures<br>containing p-xylene] Ototoxicant.<br>TWA: 20 ppm 8 hours.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 12-hydroxyoctadecanoic acid, rea<br>with 1,3-benzenedimethanamine<br>hexamethylenediamine | and                                                                                                                                                          | <b>CGIH TLV (United States).</b><br>TWA: 10 mg/m³ Form: Inhalable particle<br>TWA: 3 mg/m³, (inhalable dust) Form: Respirable particle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| procedures                                                                                | Standard EN 689 (V<br>by inhalation to che<br>strategy) European<br>application and use<br>biological agents) E<br>requirements for the<br>agents) Reference | be made to monitoring standards, such as the following: European<br>Workplace atmospheres - Guidance for the assessment of exposure<br>emical agents for comparison with limit values and measurement<br>in Standard EN 14042 (Workplace atmospheres - Guide for the<br>e of procedures for the assessment of exposure to chemical and<br>European Standard EN 482 (Workplace atmospheres - General<br>e performance of procedures for the measurement of chemical<br>e to national guidance documents for methods for the determination<br>cances will also be required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

#### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 Code : 00331470 Date of issue/Date of revision : 13 August 2024 SIGMA ECOFLEET 290 REDBROWN 8.2 Exposure controls Appropriate engineering : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any controls recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. Individual protection measures : Wash hands, forearms and face thoroughly after handling chemical products, before Hygiene measures eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. **Eve/face protection** : Chemical splash goggles and face shield. **Skin protection** Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. butyl rubber Gloves **Body protection** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods. Other skin protection Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

# **SECTION 9: Physical and chemical properties**

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The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

| <u>Appearance</u>            |                  |
|------------------------------|------------------|
| Physical state               | : Liquid.        |
| Colour                       | : Brownish-red.  |
| Odour                        | : Aromatic.      |
| Odour threshold              | : Not available. |
| Melting point/freezing point | :                |

**Respiratory protection** 

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## **SECTION 9: Physical and chemical properties**

|                                                                 |           | May start to solidify a<br>on data for the follow<br>-70.55°C (-95°F) |                                                                                                                         |          |                 |           |            |              |
|-----------------------------------------------------------------|-----------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------|-----------------|-----------|------------|--------------|
| Initial boiling point and<br>boiling range                      | -         | >37.78°C                                                              |                                                                                                                         |          |                 |           |            |              |
| Flammability                                                    | :         | Not available.                                                        |                                                                                                                         |          |                 |           |            |              |
| Upper/lower flammability or explosive limits                    | :         | Greatest known rang<br>light aromatic)                                | reatest known range: Lower: 1.4% Upper: 7.6% (Solvent naphtha (petroleum), ght aromatic)                                |          |                 |           |            |              |
| Flash point                                                     | :         | Closed cup: 31°C                                                      |                                                                                                                         |          |                 |           |            |              |
| Auto-ignition temperature                                       | :         | Ingredient name                                                       |                                                                                                                         | °C       | °F              |           | Method     |              |
|                                                                 |           | Zińeb (ISO)                                                           |                                                                                                                         | 149      | 300.2           |           |            |              |
| Decomposition temperature<br>pH<br>Viscosity<br>Solubility(ies) |           | Stable under recom<br>Not applicable. insol<br>Kinematic (40°C): >2   | uble in wa                                                                                                              | -        | nd handling co  | onditions | s (see Sec | tion 7).     |
| Media                                                           |           | Result                                                                |                                                                                                                         |          |                 |           |            |              |
| cold water                                                      |           | Not soluble                                                           |                                                                                                                         |          |                 |           |            |              |
| Partition coefficient: n-octano<br>water<br>Vapour pressure     | ·//:<br>: | Not applicable.                                                       | Vapor                                                                                                                   | r Press  | sure at 20°C    | Var       | oour press | sure at 50°C |
|                                                                 |           | Ingredient name                                                       | mm Hg                                                                                                                   |          | Method          | mm<br>Hg  | kPa        | Method       |
|                                                                 |           | 4-methylpentan-2-one                                                  | 15.75128                                                                                                                | 2.1      |                 |           |            |              |
| Evaporation rate                                                | :         | L<br>Highest known value<br>1.56compared with b                       |                                                                                                                         |          | ntan-2-one) V   | Veighteo  | l average: |              |
| Relative density                                                | :         | 1.66                                                                  | ,                                                                                                                       |          |                 |           |            |              |
| Vapour density                                                  | :         | Highest known value<br>3.68 (Air = 1)                                 | e: 4.1 (Air                                                                                                             | = 1) (1, | ,2,4-trimethylb | enzene    | ). Weighte | ed average:  |
| Explosive properties                                            | :         |                                                                       | The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible. |          |                 |           |            |              |
| Oxidising properties                                            | :         | Product does not pre                                                  | esent an o                                                                                                              | xidizing | hazard.         |           |            |              |
| article characteristics                                         |           |                                                                       |                                                                                                                         |          |                 |           |            |              |
| Median particle size                                            | :         | Not applicable.                                                       |                                                                                                                         |          |                 |           |            |              |
|                                                                 |           |                                                                       |                                                                                                                         |          |                 |           |            |              |
| .2 Other information                                            |           |                                                                       |                                                                                                                         |          |                 |           |            |              |

No additional information.

|                                            |                   | English (GB)               | United Arab Emirates                   | 10/18             |
|--------------------------------------------|-------------------|----------------------------|----------------------------------------|-------------------|
| 10.4 Conditions to avoid                   | : When expose     | d to high temperatures     | may produce hazardous decomp           | osition products. |
| 10.3 Possibility of<br>hazardous reactions | : Under normal    | conditions of storage a    | nd use, hazardous reactions will ı     | not occur.        |
| 10.2 Chemical stability                    | : The product is  | stable.                    |                                        |                   |
| 10.1 Reactivity                            | : No specific tes | st data related to reactiv | vity available for this product or its | ingredients.      |

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| SECTION 10: Stability and reactivity                        |                                   |                   |

Refer to protective measures listed in sections 7 and 8.

| 10.5 Incompatible materials | : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids. |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|                             |                                                                                                                                  |

10.6 Hazardous: Depending on conditions, decomposition products may include the following materials:<br/>carbon oxides nitrogen oxides sulfur oxides metal oxide/oxides

# **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

### Acute toxicity

| Product/ingredient name                                            | Result                          | Species         | Dose                    | Exposure |
|--------------------------------------------------------------------|---------------------------------|-----------------|-------------------------|----------|
| dícopper oxide                                                     | LC50 Inhalation Dusts and mists | Rat             | 3.34 mg/l               | 4 hours  |
|                                                                    | LD50 Dermal                     | Rat             | >2000 mg/kg             | -        |
|                                                                    | LD50 Oral                       | Rat             | 500 mg/kg               | -        |
| Hydrocarbons, C9, aromatics > 0.1% cumene                          | LD50 Dermal                     | Rabbit          | >3160 mg/kg             | -        |
|                                                                    | LD50 Oral                       | Rat -<br>Female | 3492 mg/kg              | -        |
| rosin                                                              | LD50 Dermal                     | Rat             | >2000 mg/kg             | -        |
|                                                                    | LD50 Oral                       | Rat             | 7600 mg/kg              | -        |
| zinc oxide                                                         | LC50 Inhalation Dusts and mists | Rat             | >5700 mg/m <sup>3</sup> | 4 hours  |
|                                                                    | LD50 Dermal                     | Rat             | >2000 mg/kg             | _        |
|                                                                    | LD50 Oral                       | Rat             | >5000 mg/kg             | _        |
| 4-methylpentan-2-one                                               | LC50 Inhalation Vapour          | Rat             | 11 mg/l                 | 4 hours  |
|                                                                    | LD50 Dermal                     | Rabbit          | >5000 mg/kg             | -        |
|                                                                    | LD50 Oral                       | Rat             | 2.08 g/kg               | -        |
| zineb (ISO)                                                        | LD50 Oral                       | Rat             | >2000 mg/kg             | -        |
| xylene                                                             | LD50 Dermal                     | Rabbit          | 1.7 g/kg                | -        |
|                                                                    | LD50 Oral                       | Rat             | 4.3 g/kg                | -        |
| 12-hydroxyoctadecanoic acid, reaction                              | LC50 Inhalation Dusts and       | Rat             | 3.56 mg/l               | 4 hours  |
| products with 1,3-benzenedimethanamine<br>and hexamethylenediamine | mists                           |                 | 0.00 mg/1               | 1 nouro  |
| ,<br>,                                                             | LD50 Dermal                     | Rat             | >2000 mg/kg             | -        |
|                                                                    | LD50 Oral                       | Rat             | >2000 mg/kg             | -        |
| copper oxide                                                       | LD50 Oral                       | Rat             | >2000 mg/kg             | -        |
| copper                                                             | LC50 Inhalation Dusts and mists | Rat             | >5.11 mg/l              | 4 hours  |

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

| Product/ingredient na                                                                      | ne | Result                   | Species | Score | Exposure        | Observation |
|--------------------------------------------------------------------------------------------|----|--------------------------|---------|-------|-----------------|-------------|
| <b>x</b> ylene                                                                             |    | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 mg | -           |
| Conclusion/Summary         Skin       : There are no data available on the mixture itself. |    |                          |         |       |                 |             |

- Eyes: There are no data available on the mixture itself.Respiratory: There are no data available on the mixture itself.
- Respiratory Sensitisation

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## **SECTION 11: Toxicological information**

| Product/ingr               | edient name                   | Route of exposure     | Species    | Result      |
|----------------------------|-------------------------------|-----------------------|------------|-------------|
| zíneb (ISO)                |                               | skin                  | Guinea pig | Sensitising |
| Conclusion/Summary         |                               | <b>I</b>              | -          |             |
| Skin                       | : There are no data av        | ailable on the mixtur | re itself. |             |
| Respiratory                | : There are no data av        | ailable on the mixtur | re itself. |             |
| <u>Mutagenicity</u>        |                               |                       |            |             |
| Conclusion/Summary         | : There are no data av        | ailable on the mixtur | re itself. |             |
| Carcinogenicity            |                               |                       |            |             |
| Conclusion/Summary         | : There are no data av        | ailable on the mixtur | re itself. |             |
| Reproductive toxicity      |                               |                       |            |             |
| Conclusion/Summary         | : There are no data av        | ailable on the mixtur | re itself. |             |
| Teratogenicity             |                               |                       |            |             |
| Conclusion/Summary         | : There are no data av        | ailable on the mixtur | re itself. |             |
| Specific target organ toxi | <u>city (single exposure)</u> |                       |            |             |

| Product/ingredient name                       | Category                               | Route of exposure | Target organs                                                                    |
|-----------------------------------------------|----------------------------------------|-------------------|----------------------------------------------------------------------------------|
| Hydrocarbons, C9, aromatics > 0.1% cumene     | Category 3<br>Category 3               | -                 | Respiratory tract irritation<br>Narcotic effects                                 |
| 4-methylpentan-2-one<br>zineb (ISO)<br>xylene | Category 3<br>Category 3<br>Category 3 | -<br>-<br>-       | Narcotic effects<br>Respiratory tract irritation<br>Respiratory tract irritation |

### Specific target organ toxicity (repeated exposure)

| Product/ingredient name                                                                               | Category   | Route of exposure | Target organs |
|-------------------------------------------------------------------------------------------------------|------------|-------------------|---------------|
| 12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine | Category 2 | inhalation        | lungs         |

#### **Aspiration hazard**

|                           |                                                                        | Result           ASPIRATION HAZARD - Category 1           ASPIRATION HAZARD - Category 1 |  |
|---------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--|
|                           |                                                                        |                                                                                          |  |
| Potential acute health ef | fects                                                                  |                                                                                          |  |
| Inhalation                | : Can cause central nervous system<br>dizziness. May cause respiratory | n (CNS) depression. May cause drowsiness or<br>irritation.                               |  |
| Ingestion                 | : Harmful if swallowed. Can cause                                      | central nervous system (CNS) depression.                                                 |  |
| Skin contact              | : Defatting to the skin. May cause                                     | Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin |  |

Skin contact : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.

**Eye contact** : Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

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## **SECTION 11: Toxicological information**

|                               | - 1 |                                                                                                                                                                                                          |
|-------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                    | :   | Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness                  |
| Ingestion                     | :   | Adverse symptoms may include the following:<br>stomach pains                                                                                                                                             |
| Skin contact                  | :   | Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>dryness<br>cracking<br>blistering may occur                                                                              |
| Eye contact                   | :   | Adverse symptoms may include the following:<br>pain<br>watering<br>redness                                                                                                                               |
| Delayed and immediate effe    | cts | as well as chronic effects from short and long-term exposure                                                                                                                                             |
| Short term exposure           |     |                                                                                                                                                                                                          |
| Potential immediate effects   | :   | Not available.                                                                                                                                                                                           |
| Potential delayed effects     | 1   | Not available.                                                                                                                                                                                           |
| Long term exposure            |     |                                                                                                                                                                                                          |
| Potential immediate effects   | :   | Not available.                                                                                                                                                                                           |
| Potential delayed effects     | :   | Not available.                                                                                                                                                                                           |
| Potential chronic health effe | ect | S                                                                                                                                                                                                        |
| Not available.                |     |                                                                                                                                                                                                          |
| Conclusion/Summary            | :   | Not available.                                                                                                                                                                                           |
| General                       | :   | Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity               | 1   | May cause cancer. Risk of cancer depends on duration and level of exposure.                                                                                                                              |
| Mutagenicity                  | :   | No known significant effects or critical hazards.                                                                                                                                                        |
| Reproductive toxicity         | 1   | No known significant effects or critical hazards.                                                                                                                                                        |
| Other information             | :   | Not available.                                                                                                                                                                                           |
|                               |     |                                                                                                                                                                                                          |

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

#### 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** 

Not available.

**11.2.2 Other information** 

Not available.

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**SECTION 12: Ecological information** 

## 12.1 Toxicity

| Product/ingredient name                             | Result                  | Species                  | Exposure |
|-----------------------------------------------------|-------------------------|--------------------------|----------|
| dicopper oxide                                      | LC50 0.003 mg/l         | Fish                     | 96 hours |
| Hydrocarbons, C9, aromatics > 0.1% cumene           | EC50 3.2 mg/l           | Daphnia                  | 48 hours |
|                                                     | LC50 9.2 mg/l           | Fish                     | 96 hours |
| zinc oxide                                          | Acute EC50 0.17 mg/l    | Algae                    | 72 hours |
|                                                     | Acute EC50 0.481 mg/l   | Daphnia - <i>Daphnia</i> | 48 hours |
|                                                     | Fresh water             | <i>magna</i> - Neonate   |          |
|                                                     | Chronic NOEC 0.017 mg/l | Algae                    | 72 hours |
|                                                     | Fresh water             |                          |          |
| 4-methylpentan-2-one                                | Acute LC50 >179 mg/l    | Fish                     | 96 hours |
| 12-hydroxyoctadecanoic acid, reaction products with | Acute EC50 >100 mg/l    | Algae -                  | 72 hours |
| 1,3-benzenedimethanamine and                        |                         | Pseudokirchneriella      |          |
| hexamethylenediamine                                |                         | subcapitata              |          |
|                                                     |                         | (microalgae)             |          |
|                                                     | Acute EC50 >100 mg/l    | Daphnia - <i>Daphnia</i> | 48 hours |
|                                                     |                         | magna (Water flea)       |          |
|                                                     | Acute LC50 >100 mg/l    | Fish - Oncorhynchus      | 96 hours |
|                                                     |                         | mykiss (rainbow          |          |
|                                                     |                         | trout)                   |          |
|                                                     | Chronic NOEC 100 mg/l   | Algae -                  | 72 hours |
|                                                     |                         | Pseudokirchneriella      |          |
|                                                     |                         | subcapitata              |          |
|                                                     | Chronic NOEC ≥50 mg/l   | Daphnia - Daphnia        | 21 days  |
|                                                     |                         | magna (Water flea)       |          |
| copper                                              | Acute LC50 810 ppb      | Fish                     | 96 hours |
|                                                     | Chronic EC10 8.1 µg/l   | Daphnia - <i>Daphnia</i> | 21 days  |
|                                                     |                         | magna - Neonate          |          |

**Conclusion/Summary** : There are no data available on the mixture itself.

#### 12.2 Persistence and degradability

| Product/ingredient name                              | Test                                        | Result                      | Dose | Inoculum |
|------------------------------------------------------|---------------------------------------------|-----------------------------|------|----------|
| Hydrocarbons, C9, aromatics > 0.1% cumene            | -                                           | 75 % - Readily - 28 days    | -    | -        |
| 4-methylpentan-2-one                                 | OECD 301F                                   | 83 % - Readily - 28 days    | -    | -        |
| 12-hydroxyoctadecanoic acid, reaction products with  | OECD 301D<br>Ready                          | 9 % - Not readily - 29 days | -    | -        |
| 1,3-benzenedimethanamine<br>and hexamethylenediamine | Biodegradability -<br>Closed Bottle<br>Test |                             |      |          |

**Conclusion/Summary** : There are no data available on the mixture itself.

| Product/ingredient name                                            | Aquatic half-life | Photolysis | Biodegradability   |
|--------------------------------------------------------------------|-------------------|------------|--------------------|
| Hydrocarbons, C9, aromatics > 0.1% cumene     4-methylpentan-2-one | -                 | -          | Readily<br>Readily |
| xylene                                                             | -                 | -          | Readily            |

#### **12.3 Bioaccumulative potential**

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# **SECTION 12: Ecological information**

| Product/ingredient name                                                                                                                                             | LogPow                                 | BCF                             | Potential                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------|-----------------------------------|
| Sin<br>4-methylpentan-2-one<br>zineb (ISO)<br>xylene<br>12-hydroxyoctadecanoic acid, reaction products<br>with 1,3-benzenedimethanamine and<br>hexamethylenediamine | 1.9 to 7.7<br>1.9<br>1.3<br>3.12<br>>6 | -<br>-<br>-<br>7.4 to 18.5<br>- | High<br>Low<br>Low<br>Low<br>High |

| 12.4 Mobility in soil                  |                  |
|----------------------------------------|------------------|
| Soil/water partition coefficient (Koc) | : Not available. |
| Mobility                               | : Not available. |

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### 12.6 Endocrine disrupting properties

Not available.

#### 12.7 Other adverse effects

No known significant effects or critical hazards.

## **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### **13.1 Waste treatment methods**

| Product                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Methods of disposal    | : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. |
| Hazardous waste        | : Yes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| European waste catalog | jue (EWC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Waste code             | Waste designation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 08 01 11*              | waste paint and varnish containing organic solvents or other hazardous substances                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ackaging               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Methods of disposal    | : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.                                                                                                                                                                                                                                                                                                                                |
| Type of packaging      | European waste catalogue (EWC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Container              | 15 01 06 mixed packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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**SECTION 13: Disposal considerations** 

| Special precautions | : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## **SECTION 14: Transport information**

|                                    | ADR/RID         | IMDG             | ΙΑΤΑ                                                               |
|------------------------------------|-----------------|------------------|--------------------------------------------------------------------|
| 14.1 UN number or ID<br>number     | UN1263          | UN1263           | UN1263                                                             |
| 14.2 UN proper<br>shipping name    | PAINT           | PAINT            | PAINT                                                              |
| 14.3 Transport<br>hazard class(es) | 3               | 3                | 3                                                                  |
| 14.4 Packing group                 | Ш               | Ш                | III                                                                |
| 14.5 Environmental<br>hazards      | Yes.            | Yes.             | Yes. The environmentally hazardous substance mark is not required. |
| Marine pollutant<br>substances     | Not applicable. | (dicopper oxide) | Not applicable.                                                    |

### **Additional information**

| ADR/RID     | The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.   |
|-------------|------------------------------------------------------------------------------------------------------------|
| Tunnel code | : (D/E)                                                                                                    |
| IMDG        | : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.                    |
| ΙΑΤΑ        | : The environmentally hazardous substance mark may appear if required by other transportation regulations. |

**14.6 Special precautions for : Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

| 14.7 Transport in bulk | : Not applicable. |
|------------------------|-------------------|
| according to IMO       |                   |
| instruments            |                   |

## **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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|--------------------------------|-------------------|----------------------------------------|----------------------------------------------------------------------------------|-------------------------|
| SIGMA ECOFLE                   |                   | DBROWN                                 |                                                                                  | U U                     |
| SECTION 1                      | 5: Regul          | atory information                      |                                                                                  |                         |
| Annex XVII - I                 |                   | Restricted to profess                  | ional users.                                                                     |                         |
| on the manuf<br>placing on the |                   |                                        |                                                                                  |                         |
| and use of ce                  |                   |                                        |                                                                                  |                         |
| dangerous su<br>mixtures and   |                   |                                        |                                                                                  |                         |
|                                |                   | tional regulations.                    |                                                                                  |                         |
| Explosive pre                  |                   | : Not applicable.                      |                                                                                  |                         |
| Ozone depleti<br>Not listed.   | ng substand       | <u>ces (1005/2009/EU)</u>              |                                                                                  |                         |
| 15.2 Chemical s<br>assessment  | safety            | : No Chemical Safety A                 | Assessment has been carried out.                                                 |                         |
| SECTION 1                      | 6: Other          | information                            |                                                                                  |                         |
| Indicates info                 | ormation that     | has changed from previou               | usly issued version.                                                             |                         |
| Abbreviations a                | nd                | : ATE = Acute Toxicity                 |                                                                                  |                         |
| acronyms                       |                   | CLP = Classification,<br>1272/2008]    | , Labelling and Packaging Regulation [Re                                         | gulation (EC) No.       |
|                                |                   | DNEL = Derived No                      | Effect Level                                                                     |                         |
|                                |                   |                                        | P-specific Hazard statement                                                      |                         |
|                                |                   | PNEC = Predicted N<br>RRN = REACH Regi | o Effect Concentration<br>istration Number                                       |                         |
| Full text of abbr              | eviated H         | -                                      | mable liquid and vapour.                                                         |                         |
| statements                     |                   | H226 Flammable                         | e liquid and vapour.                                                             |                         |
|                                |                   | H302 Harmful if s<br>H304 May be fata  |                                                                                  |                         |
|                                |                   |                                        | al if swallowed and enters airways.<br>contact with skin.                        |                         |
|                                |                   | H315 Causes sk                         |                                                                                  |                         |
|                                |                   |                                        | an allergic skin reaction.                                                       |                         |
|                                |                   |                                        | rious eye damage.<br>rious eye irritation.                                       |                         |
|                                |                   | H332 Harmful if i                      |                                                                                  |                         |
|                                |                   | H335 May cause                         | respiratory irritation.                                                          |                         |
|                                |                   |                                        | drowsiness or dizziness.                                                         |                         |
|                                |                   | H350 May cause<br>H351 Suspected       | of causing cancer.                                                               |                         |
|                                |                   |                                        | damage to organs through prolonged or                                            | repeated exposure.      |
|                                |                   | H400 Very toxic                        | to aquatic life.                                                                 |                         |
|                                |                   |                                        | to aquatic life with long lasting effects.                                       |                         |
|                                |                   |                                        | uatic life with long lasting effects.<br>aquatic life with long lasting effects. |                         |
|                                |                   |                                        | e long lasting harmful effects to aquatic life                                   | 9.                      |
|                                |                   | EUH066 Repeated                        | exposure may cause skin dryness or crac                                          | cking.                  |
| Full text of class             | sifications       | : Acute Tox. 4                         | ACUTE TOXICITY - Category 4                                                      |                         |
| [CLP/GHS]                      |                   | Aquatic Acute 1                        | SHORT-TERM (ACUTE) AQUATI                                                        |                         |
|                                |                   | Aquatic Chronic 1<br>Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUA<br>LONG-TERM (CHRONIC) AQUA                             |                         |
|                                | Aquatic Chronic 3 | LONG-TERM (CHRONIC) AQUA               |                                                                                  |                         |
|                                |                   | Aquatic Chronic 4                      | LONG-TERM (CHRONIC) AQUA                                                         | FIC HAZARD - Category 4 |
|                                | Asp. Tox. 1       | ASPIRATION HAZARD - Category           |                                                                                  |                         |
|                                |                   | Carc. 1B<br>Carc. 2                    | CARCINOGENICITY - Category 1<br>CARCINOGENICITY - Category 2                     |                         |
|                                |                   | Eye Dam. 1                             | SERIOUS EYE DAMAGE/EYE IR                                                        |                         |
|                                |                   | Eye Irrit. 2                           | SERIOUS EYE DAMAGE/EYE IR                                                        | RITATION - Category 2   |
|                                |                   | Flam. Liq. 2                           | FLAMMABLE LIQUIDS - Category                                                     | / 2                     |
|                                |                   |                                        |                                                                                  |                         |

| Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU | J) |
|------------------------------------------------------------------------------------------------------|----|
| 2020/878                                                                                             |    |

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| SIGMA ECOFLEET 290 REDBROWN   |                                |                  |
| SECTION 16: Other information |                                |                  |

|                                    | Flam. Liq. 3      | FLAMMABLE LIQUIDS - Category 3                                     |
|------------------------------------|-------------------|--------------------------------------------------------------------|
|                                    | Skin Irrit. 2     | SKIN CORROSION/IRRITATION - Category 2                             |
|                                    | Skin Sens. 1      | SKIN SENSITISATION - Category 1                                    |
|                                    | STOT RE 2         | SPECIFIC TARGET ORGAN TOXICITY - REPEATED<br>EXPOSURE - Category 2 |
|                                    | STOT SE 3         | SPECIFIC TARGET ORGAN TOXICITY - SINGLE<br>EXPOSURE - Category 3   |
| <u>History</u>                     |                   |                                                                    |
| Date of issue/ Date of<br>revision | : 13 August 2024  |                                                                    |
| Date of previous issue             | : 21 October 2023 |                                                                    |
| Prepared by                        | : EHS             |                                                                    |
| Version                            | : 6.01            |                                                                    |
| D'a alatanan                       |                   |                                                                    |

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