SAFETY DATA SHEET

United Arab Emirates

: 4.02

Date of issue/Date of revision

: 4 September 2024 Version

SECTION 1: Identif undertaking	fication of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: SIGMA ECOFLEET 290 S REDBROWN
Product code	: 00254258
Other means of identification Not available.	ation
1.2 Relevant identified use	es of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Antifouling products
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier	of the safety data sheet
Sigma Paint Saudi Arabia I PO Box 7509 Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	_td.
e-mail address of person responsible for this SDS	: ndpic@sfda.gov.sa
1.4 Emergency telephone number	e : 00966 138473100 extn 1001

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 Aguatic 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 : 00254258 SIGMA ECOFLEET 290 S REI		Date of issue/Date of revision	: 4 September 202
SECTION 2: Hazards	Identification		
Hazard pictograms			•
Signal word	: Danger		
Hazard statements	: Flammable liquid and Harmful if swallowed. May cause an allergic Causes serious eye d May cause respiratory May cause drowsines May cause cancer. Very toxic to aquatic li	skin reaction. amage. rirritation.	
Precautionary statements		5 5	
Prevention		s, protective clothing and eye or face pro arks, open flames and other ignition sour ment.	
Response	: Collect spillage.		
Storage	: Store in a well-ventilat	ed place. Keep container tightly closed.	
Disposal	international regulation	nd container in accordance with all local, ns. 991, P403 + P233, P501	regional, national and
Hazardous ingredients	 dicopper oxide Hydrocarbons, C9, ard rosin 4-methylpentan-2-one zineb (ISO) xylene 	omatics > 0.1% cumene	
Supplemental label elements	: Not applicable.		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Restricted to profession	onal users.	
Special packaging requirem	<u>nents</u>		
Containers to be fitted with child-resistant fastenings	: Not applicable.		
Tactile warning of danger	: Not applicable.		
2.3 Other hazards			
Product meets the criteria for PBT or vPvB	: This mixture does not	contain any substances that are assessed	ed to be a PBT or a vPv
Other hazards which do not result in classification	: Prolonged or repeated	l contact may dry skin and cause irritation	n.

Code : 00254258

Date of issue/Date of revision

: 4 September 2024

SIGMA ECOFLEET 290 S REDBROWN

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

Image: Second secon				1	1	
01-2119513794-36 CC3:15270-7 CAS: 1317-39-1 Index: 029-002-00-XAcute Tox. 4, H332 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 M [Chronic] = 10ATE [Inhalation (dusts and miscip] = 3.34 mg/l M [Chronic] = 10Hydrocarbons. C9, aromatics > 0.1% cumene aromatics > 0.1% cumeneREACH #: 01-2119456851-35 CAS: 128601-23-0 $\geq 10 - < 20$ Film. Liq. 3, H226 Care. 18, H336 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066: C $\geq 20\%$ [1]rosinREACH #: 01-2119460418-32 EC: 322-475-7 CAS: 8050-09-7 Index: 650-015-00-7 $\geq 10 - \leq 25$ Skin Sens. 1, H317 Aquatic Chronic 2, H411 EUH066: C $\geq 20\%$ [1]rosinREACH #: 01-2119460381-32 EC: 215-222-5 CAS: 1314-13-2 Index: 050-015-00-7 $\geq 10 - \leq 25$ Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 M [Chronic] = 1[1]4-methylpentan-2-oneREACH #: 01-2119473880-30 EC: 203-560-1 CAS: 1314-13-2 Index: 050-0140-00-7 $\geq 10 - \leq 50$ Fiam. Liq. 2, H225 Acute Tox. 4, H332 EV etrint 2, H318 Care. 2, H351 STOT SE 3, H335 EUH066: C $\geq 20\%$ [1]2ineb (ISO)EC: 235-180-1 CAS: 12122.67-7 Index: 006-078-00-2 $\geq 1.0 - \leq 50$ Skin Sens. 1, H317 STOT SE 3, H335 STOT SE 3, H335 STOT SE 3, H335 ATE [Inhalation (vapours)] = 11 mg/l EV etrint 2, H319 CAS: 1330-20-7 $\geq 1.0 - \leq 50$ Skin Sens. 1, H317 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Imt. 2, H315 STOT SE 3, H335 Asp. Tox. 1, H344 Aquatic Chronic 3, H412ATE [Inhalation (usts and mists)] = 11 mg/l EV etrint 2, H319 STOT SE 3, H335 Asp. Tox. 1, H342 Acute Tox. 4	Product/ingredient name	Identifiers	%	Classification	Limits, M-factors	Туре
ariomatics > 0.1% cummene01-2119455851-35 CC3: 128601-23-0Carc. 18, H350 STOT SE 3, H335 STOT SE 3, H335 STOT SE 3, H335 STOT SE 3, H335 STOT SE 3, H336 LUH066: $C \ge 20\%$ 10% EUH066: $C \ge 20\%$ rosinREACH #: 01-2119480418-32 EC: 232-475-7 CAS: 8050-09-7 Index: 650-015-00-7 $\ge 10 - \le 25$ Skin Sens. 1, H317 Aquatic Chronic 2, H411-[1] [2]zinc oxideREACH #: 01-211946381-32 IC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7 $\ge 10 - \le 25$ Aquatic Acute 1, H400 Aquatic Chronic 1, H410M [Acute] = 1 M [Chronic] = 1[1]4-methylpentan-2-oneREACH #: 01-2119473860-30 EC: 203-550-1 Index: 006-004-00-4 $\ge 5.0 - \le 10$ Fiam. Liq. 2, H225 Acute Tox. 4, H332 Eye Init. 2, H319 Carc. 2, H351 STOT SE 3, H336ATE [Inhalation (vapours)] = 11 mg/l EUH066: C $\ge 20\%$ [1] [2]zineb (ISO)EC: 235-180-1 CAS: 12122-67-7 Index: 006-074-002 $\ge 1.0 - \le 5.0$ Skin Sens. 1, H317 STOT SE 3, H335 $-$ [1]xyleneREACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 $\ge 1.0 - \le 5.0$ Skin Sens. 1, H317 STOT SE 3, H335 $-$ [1] [2]xyleneREACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 $\ge 1.0 - \le 5.0$ Skin Sens. 1, H312 Acute Tox. 4, H332 StoT SE 3, H335ATE [Inhalation mg/kg ATE [Inhalation (vapours)] = 11 mg/l[1] [2]12-hydroxyoctadecanoic acid, reaction products with 1, 3-benzenedimethanamine adh examethylenediamine CAS: 2020-87-6 Index: 616-201-00-7 $\ge 0.30^{-}$ ≤ 2.4 $\ge 0.30^{-}$ ≤ 2.4 $\ge 1.0 - \le 10$ [1] [2] </td <td>dicopper oxide</td> <td>01-2119513794-36 EC: 215-270-7 CAS: 1317-39-1</td> <td>≥25 - ≤50</td> <td>Acute Tox. 4, H332 Eye Dam. 1, H318 Aquatic Acute 1, H400</td> <td>kg ATE [Inhalation (dusts and mists)] = 3.34 mg/l M [Acute] = 100</td> <td>[1] [2]</td>	dicopper oxide	01-2119513794-36 EC: 215-270-7 CAS: 1317-39-1	≥25 - ≤50	Acute Tox. 4, H332 Eye Dam. 1, H318 Aquatic Acute 1, H400	kg ATE [Inhalation (dusts and mists)] = 3.34 mg/l M [Acute] = 100	[1] [2]
01-2119490418-32 EC: 232-475-7 CAS: 8050-09-7 Index: 650-015-00-7 $\geq 10 - \leq 25$ Aquatic Acute 1, H400 Aquatic Chronic 1, H410M [Acute] = 1 M [Chronic] = 1[1]2inc oxideREACH #: 01-211943881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7 $\geq 10 - \leq 25$ CAS: 1314-13-2 Index: 030-013-00-7Aquatic Acute 1, H400 Aquatic Chronic 1, H410M [Acute] = 1 M [Chronic] = 1[1]4-methylpentan-2-oneREACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4 $\geq 5.0 - \leq 10$ Stor SE 3, H336 EUH066Flam. Liq. 2, H225 Acute Tox. 4, H332 		01-2119455851-35 EC: 918-668-5	≥10 - <20	Carc. 1B, H350 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 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 EC: 232-475-7 CAS: 8050-09-7	≥10 - ≤25	Skin Sens. 1, H317	-	[1] [2]
101-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336(vapours)] = 11 mg/l EUH066: C $\ge 20\%$ zineb (ISO)EC: 235-180-1 CAS: 12122-67-7 Index: 006-078-00-2 $\ge 1.0 - \le 5.0$ Skin Sens. 1, H317 STOT SE 3, H335-[1]xyleneREACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 $\ge 1.0 - \le 5.0$ Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H315 	zinc oxide	01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2	≥10 - ≤25			[1]
xyleneCAS: 12122-67-7 Index: 006-078-00-2STOT SE 3, H335ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l[1] [2]xyleneREACH #: 01-2119488216-32 EC: 215-535-7 	4-methylpentan-2-one	01-2119473980-30 EC: 203-550-1 CAS: 108-10-1	≥5.0 - ≤10	Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 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 1,3-benzenedimethanamine and hexamethylenediamine01-0000017900-73 EC: 432-840-2 CAS: 220926-97-6 Index: 616-201-00-7 ≤ 2.4 STOT RE 2, H373 (lungs) (inhalation) Aquatic Chronic 4, H413and mists)] = 3.56 mg/lcopper(II) oxideREACH #: ≤ 1.0 Aquatic Acute 1, H400M [Acute] = 100[1]	xylene	01-2119488216-32 EC: 215-535-7	≥1.0 - ≤5.0	Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304	mg/kg ATE [Inhalation	[1] [2]
	acid, reaction products with 1,3-benzenedimethanamine	01-0000017900-73 EC: 432-840-2 CAS: 220926-97-6		STOT RE 2, H373 (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	mirates	3/18

 Code
 <th::00254258</th>
 Date of issue/Date of revision
 : 4 September 2024

 SIGMA ECOFLEET 290 S REDBROWN
 SECTION 3: Composition/information on ingredients
 Image: Composition/information on ingredients

 01-2119502447-44
 Out-2119502447-44
 Aquatic Chronic 1, H410
 M [Chronic] = 10

 Image: Composition/information
 Image: Composition/information
 Image: Chronic 1, H410
 M [Chronic] = 10

 Image: Composition
 Image: Composition
 Image: Composition
 Image: Chronic 1, H410
 M [Chronic] = 10

	REACH #: 01-2119480154-42 EC: 231-159-6 CAS: 7440-50-8	Aquatic Acute 1, H400 Aquatic Chronic 3, H412	M [Acute] = 1	[1]	
		See Section 16 for the full text of the H statements declared 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 p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. <u>Type</u>

[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 besonption of mot and n	
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 or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	 If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
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 eff	<u>ects</u>
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/syn	<u>iptoms</u>

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

Code	: 00254258	Date of issue/Date of revision	: 4 September 2024
SIGMA ECOP	LEET 290 S REDBROWN		

SECTION 4: First aid measures

Eye contact	: Adverse symptoms may include the following: pain watering redness	
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness	
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur	
Ingestion	: Adverse symptoms may include the following: stomach pains	
.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. The exposed person may need to be kept under medical surveillance for 48 hours	

			· • •	
	The exposed person may	I need to be kept under	er medical surveillan	ce for 48 hours.
Specific treatments	: No specific treatment.			

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising f	rom the substance or mixture
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
5.3 Advice for firefighters 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.

Code : 00254258	Date of issue/Date of revision : 4 September 2024
SIGMA ECOFLEET 290 S RED	·
SECTION 5: Firefight	
Special protective 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.
SECTION 6: Accident	al release measures
6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put 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-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 hazard as the spilt product.
6.4 Reference to other sections	 See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

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).

7.1 Precautions for safe handling

hi th ha or th ve ac fro fro fro el	ut on appropriate personal protective equipment (see Section 8). Persons with a story of skin sensitization problems should not be employed in any process in which is product is used. Avoid exposure - obtain special instructions before use. Do not andle until all safety precautions have been read and understood. Do not get in eyes on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to e environment. Use only with adequate ventilation. Wear appropriate respirator when entilation is inadequate. Do not enter storage areas and confined spaces unless dequately ventilated. Keep in the original container or an approved alternative made on a compatible material, kept tightly closed when not in use. Store and use away on heat, sparks, open flame or any other ignition source. Use explosion-proof ectrical (ventilating, lighting and material handling) equipment. Use only non-sparking ols. Take precautionary measures against electrostatic discharges. Empty containers
el	ectrical (ventilating, lighting and material handling) equipment. Use only non-sparking

English (GB) United Arab Emirates

 Code
 <th::00254258</th>
 Date of issue/Date of revision
 : 4 September 2024

 SIGMA ECOFLEET 290 S REDBROWN

SECTION 7: Handling and storage

	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.
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
dicopper oxide	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [copper fume] TWA: 0.2 mg/m ³ 8 hours. Form: fumes ACGIH TLV (United States, 7/2023). [copper fume]
rosin	TWA: 0.2 mg/m ³ 8 hours. Form: Fume Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). Skin sensitiser. Inhalation sensitiser.
	ACGIH TLV (United States, 7/2023). [resin acids] Skin sensitiser. Inhalation sensitiser.
	TWA: 0.001 mg/m³, (as total Resin acids) 8 hours. Form: Inhalable fraction
zinc oxide	Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 5 mg/m ³ 8 hours. Form: fumes STEL: 10 mg/m ³ 15 minutes. Form: fumes
	Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016). STEL: 10 mg/m ³ 15 minutes. Form: measured as respirable fraction of the aerosol and fume
	TWA: 2 mg/m ³ 8 hours. Form: measured as respirable fraction of the aerosol and fume
	ACGIH TLV (United States, 7/2023). Notes: Respirable fraction; see Appendix C, paragraph C. ACGIH 2003 Adoption STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction
l	English (GB) United Arab Emirates 7/18

Code : 00254258	Date of issue/Date of revision: 4 September 2024
SIGMA ECOFLEET 290 S REDBROWN	
4-methylpentan-2-one	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 82 mg/m ³ 8 hours. TWA: 20 ppm 8 hours. STEL: 307 mg/m ³ 15 minutes. STEL: 75 ppm 15 minutes. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). STEL: 75 ppm 15 minutes. TWA: 205 mg/m ³ 8 hours. STEL: 307 mg/m ³ 15 minutes. TWA: 50 ppm 8 hours. ACGIH TLV (United States, 7/2023). Notes: Substances for which there is a Biological Exposure Index or Indices STEL: 75 ppm 15 minutes. TWA: 20 ppm 8 hours.
diiron trioxide	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 5 mg/m ³ 8 hours. Form: measured as respirable fraction of the aerosol Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 7/2023). Notes: Refers to Appendix B Substances of Variable Composition. Respirable fraction; see Appendix C, paragraph C. TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction
1,2,4-trimethylbenzene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [trimethyl benzene (mixed isomers)] TWA: 123 mg/m ³ 8 hours. TWA: 25 ppm 8 hours. ACGIH TLV (United States, 7/2023). TWA: 10 ppm 8 hours.
xylene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [xylene (o, m & p isomers)] STEL: 651 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. TWA: 434 mg/m ³ 8 hours. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). [xylene (all isomers)] STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. STEL: 651 mg/m ³ 15 minutes. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 7/2023). [p-xylene and mixtures containing p-xylene] Ototoxicant. TWA: 20 ppm 8 hours.
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	ACGIH TLV (United States). TWA: 10 mg/m ³ Form: Inhalable particle TWA: 3 mg/m ³ , (inhalable dust) Form: Respirable particle

2020/878	
Code : 00254258	Date of issue/Date of revision : 4 September 2024
SIGMA ECOFLEET 290 S RE Recommended monitoring	
procedures	Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
8.2 Exposure controls	
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any 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 measu	<u>ires</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before 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.
Eye/face protection Skin protection	: Chemical splash goggles and face shield.
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.
Gloves	: butyl rubber
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.
Respiratory protection	
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.

Date of issue/Date of revision

: 4 September 2024

Code : 00254258

SIGMA ECOFLEET 290 S REDBROWN

SECTION 9: Physical and chemical properties

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

<u>Appearance</u>												
Physical state	:	Liquid.										
Colour	:	Brownish-red.										
Odour	:	Aromatic.										
Odour threshold	:	Not available.	ot available.									
Melting point/freezing point	:	May start to solidify at the following temperature: -43.77°C (-46.8°F) This is based on data for the following ingredient: 1,2,4-trimethylbenzene. Weighted average: 70.54°C (-95°F)										
Initial boiling point and boiling range	:	>37.78°C										
Flammability	:	Not available.										
Upper/lower flammability or explosive limits	:	Greatest known rang light aromatic)	e: Lower:	1.4% U	pper: 7.6% (Solvent	naphtha (p	etroleum),				
Flash point	:	Closed cup: 35°C										
Auto-ignition temperature	:	Ingredient name		°C	°F		Method					
		zineb (ISO)		149	300.2							
Decomposition temperature	:	Stable under recomm	nended st	orage an	d handling c	ondition	s (see Sec	tion 7).				
pH	1	Not applicable. insolu	Not applicable. insoluble in water.									
Viscosity	1	Kinematic (40°C): >2	1 mm²/s					Kinematic (40°C): >21 mm²/s				
Solubility(ies)												
	- 1											
Media		Result										
		Result Not soluble										
Media cold water Partition coefficient: n-octanol/	•	Not soluble										
Media cold water Partition coefficient: n-octanol/ water	· · · · · · · · · · · · · · · · · · ·	Not soluble Not applicable.	Vароц	ır Pressi	ure at 20°C	Va	pour press	sure at 50°C				
Media cold water Partition coefficient: n-octanol/ water		Not soluble	Vapou mm Hg		ure at 20°C Method	Va mm Hg	pour press kPa	sure at 50°C Method				
Media cold water Partition coefficient: n-octanol/ water	· · :	Not soluble Not applicable.	mm Hg		1	mm	· · ·	sure at 50°C Method				
Media cold water Partition coefficient: n-octanol/ water Vapour pressure	:	Not soluble Not applicable.	mm Hg 15.75128 : 1.7 (4-m	kPa 2.1 ethylpen	Method	mm Hg	kPa					
Media cold water Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate	:	Not soluble Not applicable. Ingredient name 4-methylpentan-2-one Highest known values	mm Hg 15.75128 : 1.7 (4-m	kPa 2.1 ethylpen	Method	mm Hg	kPa					
Media cold water Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate Relative density Vapour density	: : : : :	Not soluble Not applicable. Ingredient name 4-methylpentan-2-one Highest known value 1.56compared with b 1.66 Highest known value 3.68 (Air = 1)	mm Hg 15.75128 : 1.7 (4-m utyl aceta : 4.1 (Air	kPa 2.1 ethylpen te = 1) (1,2	Method tan-2-one) \ 2,4-trimethyll	mm Hg Weighter	kPa d average:	Method				
Media cold water Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate Relative density Vapour density		Not soluble Not applicable. Ingredient name 4-methylpentan-2-one Highest known value 1.56compared with b 1.66 Highest known value 3.68 (Air = 1) The product itself is r vapour or dust with a	mm Hg 15.75128 : 1.7 (4-m utyl aceta : 4.1 (Air not explos ir is possi	kPa 2.1 ethylpen te = 1) (1,2 ive, but t ble.	Method tan-2-one) \ 2,4-trimethyll he formatior	mm Hg Weighter	kPa d average:	Method				
Media cold water Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate Relative density Vapour density Explosive properties		Not soluble Not applicable. Ingredient name 4-methylpentan-2-one Highest known value: 1.56compared with b 1.66 Highest known value: 3.68 (Air = 1) The product itself is r	mm Hg 15.75128 : 1.7 (4-m utyl aceta : 4.1 (Air not explos ir is possi	kPa 2.1 ethylpen te = 1) (1,2 ive, but t ble.	Method tan-2-one) \ 2,4-trimethyll he formatior	mm Hg Weighter	kPa d average:	Method				
Media		Not soluble Not applicable. Ingredient name 4-methylpentan-2-one Highest known value 1.56compared with b 1.66 Highest known value 3.68 (Air = 1) The product itself is r vapour or dust with a	mm Hg 15.75128 : 1.7 (4-m utyl aceta : 4.1 (Air not explos ir is possi	kPa 2.1 ethylpen te = 1) (1,2 ive, but t ble.	Method tan-2-one) \ 2,4-trimethyll he formatior	mm Hg Weighter	kPa d average:	Method				

9.2 Other information

No additional information.

Code	: 00254258	Date of issue/Date of revision	: 4 September 2024
SIGMA ECOF	LEET 290 S REDBROWN		

SECTION	10:	Stability	and	reactivity
---------	-----	-----------	-----	------------

10.1 Reactivity	1	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	When exposed to high temperatures may produce hazardous decomposition products. 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 decomposition products	:	Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides halogenated compounds 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 - 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 ³	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
<u>, , , , , , , , , , , , , , , , , , , </u>	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 and hexamethylenediamine	mists			
	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

 Code
 <th::00254258</th>
 Date of issue/Date of revision
 : 4 September 2024

 SIGMA ECOFLEET 290 S REDBROWN

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

Conclusion/Summary

Skin : There are no dat	ta available on the mixture itself.
-------------------------	-------------------------------------

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

Respiratory Sensitisation

Eyes

Product/ingredient name	Route of exposure	Species	Result
Źneb (ISO)	skin	Guinea pig	Sensitising

Conclusion/Summary

Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Reproductive toxicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Teratogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Specific target organ toxi	city (single exposure)

Specific target organ toxicity (single exposure)

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

Product/ingredient name Hydrocarbons, C9, aromatics > 0.1% cumene xylene		Result
		ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Information on likely routes of exposure	: Not available.	
Potential acute health ef	ffects	
Inhalation	: Can cause central nervou dizziness. May cause res	s system (CNS) depression. May cause drowsiness or piratory irritation.
Ingestion	: Harmful if swallowed. Ca	n cause central nervous system (CNS) depression.
Skin contact	: Defatting to the skin. May reaction.	cause skin dryness and irritation. May cause an allergic skin
	Engli	sh (GB) United Arab Emirates 12/18

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

Code : 00254258

SIGMA ECOFLEET 290 S REDBROWN

Date of issue/Date of revision

: 4 September 2024

SECTION 11: Toxicological information

Eye contact	: Causes serious eye damage.
Symptoms related to the	physical, chemical and toxicological characteristics
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Ingestion	: Adverse symptoms may include the following: stomach pains
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Eye contact	: Adverse symptoms may include the following: pain watering redness
Delayed and immediate e	ffects as well as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate	: Not available.

Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	1	Not available.
Potential chronic health effe	ect	<u>s</u>
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	1	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.

Code : 00254258

SIGMA ECOFLEET 290 S REDBROWN

Date of issue/Date of revision

: 4 September 2024

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 - <i>Daphnia</i>	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 Ready	9 % - Not readily - 29 days	-	-
1,3-benzenedimethanamine and hexamethylenediamine	Biodegradability - Closed Bottle 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 Readily
xylene	-	-	Readily

12.3 Bioaccumulative potential

Code	: 00254258	Date of issue/Date of revision	: 4 September 2024
SIGMA ECOF	LEET 290 S REDBROWN		

SECTION 12: Ecological information

Product/ingredient name	LogPow	BCF	Potential
osin 4-methylpentan-2-one	1.9 to 7.7 1.9	-	High Low
zineb (ISO) xylene	1.3	- 7.4 to 18.5	Low
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	>6	-	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	ue (EWC)	
Waste code	Waste designation	
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances	
Packaging	·	
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	

Code : 00254258

SIGMA ECOFLEET 290 S REDBROWN

Date of issue/Date of revision

: 4 September 2024

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 number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	III		Ш
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant 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 \leq 5 L or \leq 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.

Code : 00254	258	Date of issue/Date of revision : 4 September 2024
SIGMA ECOFLEET 2		
SECTION 15: F	Regulatory inform	nation
Annex XVII - Restr	<u> </u>	to professional users.
on the manufactur		
placing on the ma and use of certain		
dangerous substa	nces,	
mixtures and artic		
Other national and Explosive precurse	international regulations : Not applica	
	ubstances (1005/2009/	
Not listed.		
45.2 Chamical asfat	No Chomia	al Safaty Assessment has been carried out
15.2 Chemical safet	y : No Chemic	al Safety Assessment has been carried out.
SECTION 16: C	Other informatio	n
		om previously issued version.
Abbreviations and	-	te Toxicity Estimate
acronyms	CLP = Cla	ssification, Labelling and Packaging Regulation [Regulation (EC) No.
	1272/2008] erived No Effect Level
		nent = CLP-specific Hazard statement
	PNEC = P	redicted No Effect Concentration
		ACH Registration Number
Full text of abbreviat statements	•••••••••••••••••••••••••••••••••••••••	lighly flammable liquid and vapour. Flammable liquid and vapour.
statements		farmful if swallowed.
	H304 I	lay be fatal if swallowed and enters airways.
		larmful in contact with skin.
		Causes skin irritation. ⁄Iay cause an allergic skin reaction.
	H318 (Causes serious eye damage.
		Causes serious eye irritation.
		larmful if inhaled. /lay cause respiratory irritation.
		lay cause drowsiness or dizziness.
		lay cause cancer.
		Suspected of causing cancer. Aay cause damage to organs through prolonged or repeated exposure.
		/ery toxic to aquatic life.
		/ery toxic to aquatic life with long lasting effects.
		oxic to aquatic life with long lasting effects. larmful to aquatic life with long lasting effects.
		lay cause long lasting harmful effects to aquatic life.
	EUH066 F	Repeated exposure may cause skin dryness or cracking.
Full text of classifica		0,
[CLP/GHS]	Aquatic Ac Aquatic Ch	
	Aquatic Cl	
	Aquatic Ch	
	Aquatic Cł Asp. Tox.	
	Carc. 1B	CARCINOGENICITY - Category 1B
	Carc. 2	CARCINOGENICITY - Category 2
	Eye Dam. Eye Irrit. 2	1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
	Flam. Liq.	• •

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878			
Code	: 00254258	Date of issue/Date of revision	: 4 September 2024

SIGMA ECOFLEET 290 S 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
		EXPOSURE - Category 2
	STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE
		EXPOSURE - Category 3
<u>History</u>		
Date of issue/ Date of revision	: 4 September 2024	
Date of previous issue	: 7 July 2024	
Prepared by	: EHS	
Version	: 4.02	
Disclaimor		

<u>Disclaimer</u>

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.