# SAFETY DATA SHEET



Date of issue/Date of revision 26 April 2024

Version 13

### Section 1. Identification

Product code : 00322210

Product name : SIGMADUR ONE GREEN 4171

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use : Coating.

Professional applications, Used by spraying.

Supplier's details : PPG Industries (Singapore) Pte. Ltd., No. 1 Tuas Basin Close, Singapore 638803.

Tel +65 68653737

Emergency telephone number (with hours of

operation)

: CHEMTREC +(65)-31581349 (CCN 17704)

# Section 2. Hazards identification

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 3

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1B

TOXIC TO REPRODUCTION - Category 1B

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract

irritation) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

#### GHS label elements, including precautionary statements

Hazard pictograms :







Signal word : Danger

**Hazard statements** : Flammable liquid and vapor.

May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.

May cause cancer.

May damage fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure. (central

nervous system (CNS))

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### Section 2. Hazards identification

#### **Precautionary statements**

: Do not handle until all safety precautions have been read and understood. Wear **Prevention** 

protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do

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not breathe vapor.

: IF exposed or concerned: Get medical advice or attention. IF INHALED: Call a Response

POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice or attention.

: Store in a well-ventilated place. Keep container tightly closed. Storage

: Not applicable. **Disposal** 

result in classification

Other hazards which do not : Prolonged or repeated contact may dry skin and cause irritation.

# Section 3. Composition/information on ingredients

Substance/mixture : Mixture

**CAS** number/other identifiers

**CAS** number : Not applicable. **EC** number : Mixture.

| Ingredient name                            | %           | CAS number |
|--|-------------|------------|
| Maphtha (petroleum), hydrotreated heavy    | 20 - <25    | 64742-48-9 |
| Solvent naphtha (petroleum), medium aliph. | 5 - <10     | 64742-88-7 |
| 2-ethylhexanoic acid                       | 1 - <3      | 149-57-5   |
| Solvent naphtha (petroleum), heavy arom.   | 1 - <3      | 64742-94-5 |
| 1-methoxy-2-propanol                       | 1 - <3      | 107-98-2   |
| 2-ethylhexanoic acid, zirconium salt       | 0.3 - <1    | 22464-99-9 |
| calcium bis(2-ethylhexanoate)              | 0.1 - < 0.3 | 136-51-6   |
| 2-butanone oxime                           | 0.1 - < 0.3 | 96-29-7    |
| cobalt bis(2-ethylhexanoate)               | 0.1 - < 0.3 | 136-52-7   |

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 and hence require reporting in this section.

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

SUB codes represent substances without registered CAS Numbers.

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### Section 4. First aid measures

### **Description of necessary first aid measures**

**Eye contact**: Remove contact lenses, irrigate copiously with clean, fresh water, holding the

eyelids apart for at least 10 minutes and seek immediate medical advice.

**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 recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion : If swallowed, seek medical advice immediately and show this container or label.

Keep person warm and at rest. Do NOT induce vomiting.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

Eye contact : Causes serious eye irritation.Inhalation : May cause respiratory irritation.

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

skin reaction.

**Ingestion**: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain or irritation watering redness

**Inhalation**: Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced fetal weight increase in fetal deaths skeletal malformations

**Skin contact**: Adverse symptoms may include the following:

irritation redness dryness cracking

reduced fetal weight increase in fetal deaths skeletal malformations

**Ingestion**: Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments**: No specific treatment.

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### Section 4. First aid measures

**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.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

#### **Extinguishing media**

Suitable extinguishing media

: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing** media

: Do not use water jet.

Specific hazards arising from the chemical

: Flammable liquid and vapor. 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.

**Hazardous thermal** decomposition products : Decomposition products may include the following materials: carbon oxides

sulfur oxides metal oxide/oxides

**Special protective actions** 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.

**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.

### Section 6. Accidental release measures

#### Personal precautions, protective 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 spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized 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".

**Environmental precautions**: Avoid dispersal of spilled 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).

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### Section 6. Accidental release measures

### Methods and materials 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 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### **Precautions for safe handling**

**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. Avoid exposure during pregnancy. 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 vapor or mist. Do not ingest. 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.

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

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.

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## Section 7. Handling and storage

including any incompatibilities

Conditions for safe storage, : 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 oxidizing 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### **Control parameters**

#### Occupational exposure limits

| Ingredient name                            | Exposure limits  |
|--|--|
| Solvent naphtha (petroleum), medium aliph. | ACGIH TLV (United States).   |
|  | TWA: 400 ppm   |
| 2-ethylhexanoic acid                       | ACGIH TLV (United States, 1/2023).   |
|  | TWA: 5 mg/m³ 8 hours. Form: Inhalable  |
|  | fraction and vapor   |
| 1-methoxy-2-propanol                       | Workplace Safety and Health Act  |
|  | (Singapore, 2/2006). [Propylene glycol                                       |
|  | monomethyl ether]  |
|  | PEL (short term): 553 mg/m³ 15 minutes.                                      |
|  | PEL (short term): 150 ppm 15 minutes.<br>PEL (long term): 369 mg/m³ 8 hours. |
|  | PEL (long term): 309 flight 6 flours.  PEL (long term): 100 ppm 8 hours.     |
| 2-ethylhexanoic acid, zirconium salt       | Workplace Safety and Health Act  |
| 2-etrymexanolo acid, zircomum sait         | (Singapore, 2/2006). [Zirconium and  |
|  | compounds as Zr]   |
|  | PEL (short term): 10 mg/m³, (Zr) 15  |
|  | minutes.   |
|  | PEL (long term): 5 mg/m³, (Zr) 8 hours.                                      |
| cobalt bis(2-ethylhexanoate)               | Workplace Safety and Health Act  |
|  | (Singapore, 2/2006). [Cobalt, elemental                                      |
|  | and inorganic compounds as Co]   |
|  | PEL (long term): 0.02 mg/m³, (Co) 8 hours.                                   |

**Recommended monitoring** procedures

: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### **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, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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## Section 8. Exposure controls/personal 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.

#### **Individual protection measures**

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.

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.

**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 anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

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

: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

**Appearance** 

Physical state : Liquid.

Color : Green.

Odor : Aromatic.

pH : insoluble in water.

Boiling point : >37.78°C (>100°F)

Flash point : Closed cup: 41°C (105.8°F)

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### Section 9. Physical and chemical properties

**Evaporation rate** : 0.814 (1-methoxy-2-propanol) compared with butyl acetate

Flammability (solid, gas) : liquid

Vapor pressure : Highest known value: 1.1 kPa (8.5 mm Hg) (at 20°C) (1-methoxy-2-propanol).

Weighted average: 0.27 kPa (2.03 mm Hg) (at 20°C)

Vapor density : Highest known value: 5 (Air = 1) (2-ethylhexanoic acid). Weighted average: 4.08

(Air = 1)

Relative density : 1.12

Solubility(ies) : Media Result

cold water Not soluble

**Auto-ignition temperature** : Lowest known value: >220°C (>428°F) (Solvent naphtha (petroleum), medium aliph.

).

Viscosity : Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)

### Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability** : The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : When exposed to high temperatures may produce hazardous decomposition

products.

**Incompatible materials**: Keep away from the following materials to prevent strong exothermic reactions:

oxidizing agents, strong alkalis, strong acids.

**Hazardous decomposition** 

products

: Depending on conditions, decomposition products may include the following

materials: carbon oxides sulfur oxides metal oxide/oxides

# Section 11. Toxicological information

### Information on toxicological effects

#### **Acute toxicity**

| Result                          | Species   | Dose  | Exposure   |
|---------------------------------|---|---|--|
| LD50 Dermal                     | Rabbit  | >5000 mg/kg   | -  |
| LD50 Oral                       | Rat   | >6 g/kg   | -  |
| LD50 Dermal                     | Rabbit  | >3000 mg/kg   | -  |
| LD50 Oral                       | Rat   | >5000 mg/kg   | -  |
| LD50 Dermal                     | Rat   | >2000 mg/kg   | -  |
| LD50 Oral                       | Rat   | 3640 mg/kg  | -  |
| LC50 Inhalation Dusts and mists | Rat   | >5.2 mg/l   | 4 hours  |
|                                 | LD50 Dermal  LD50 Oral  LD50 Oral  LD50 Oral  LD50 Dermal  LD50 Dermal  LD50 Oral | LD50 Dermal Rabbit  LD50 Oral Rat LD50 Dermal Rabbit  LD50 Oral Rat LD50 Oral Rat LD50 Dermal Rat | LD50 Dermal         Rabbit         >5000 mg/kg           LD50 Oral         Rat         >6 g/kg           LD50 Dermal         Rabbit         >3000 mg/kg           LD50 Oral         Rat         >5000 mg/kg           LD50 Dermal         Rat         >2000 mg/kg           LD50 Oral         Rat         3640 mg/kg |

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# Section 11. Toxicological information

|                              | LD50 Oral             | Rat    | >5 g/kg    | -       |
|------------------------------|-----------------------|--------|------------|---------|
| 1-methoxy-2-propanol         | LC50 Inhalation Vapor | Rat    | >7000 ppm  | 6 hours |
|                              | LD50 Dermal           | Rabbit | 13 g/kg    | -       |
|                              | LD50 Oral             | Rat    | 5.2 g/kg   | -       |
| 2-ethylhexanoic acid,        | LD50 Dermal           | Rabbit | >5 g/kg    | -       |
| zirconium salt               |                       |        |            |         |
|                              | LD50 Oral             | Rat    | >5 g/kg    | -       |
| 2-butanone oxime             | LD50 Dermal           | Rabbit | 1100 mg/kg | -       |
|                              | LD50 Oral             | Rat    | 100 mg/kg  | -       |
| cobalt bis(2-ethylhexanoate) | LD50 Dermal           | Rabbit | >5 g/kg    | -       |
|                              | LD50 Oral             | Rat    | 3129 mg/kg | -       |
|                              |                       |        | 3. 3.      |         |

Conclusion/Summary

: There are no data available on the mixture itself.

<u>Irritation/Corrosion</u>

**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.

**Sensitization** 

**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 toxicity (single exposure)

| Name                                       | Category   | Route of exposure | Target organs                |
|--|------------|-------------------|------------------------------|
| Naphtha (petroleum), hydrotreated heavy    | Category 3 | -                 | Respiratory tract irritation |
| Solvent naphtha (petroleum), medium aliph. | Category 3 | -                 | Narcotic effects             |
| Solvent naphtha (petroleum), heavy arom.   | Category 3 | -                 | Narcotic effects             |
| 1-methoxy-2-propanol                       | Category 3 | -                 | Narcotic effects             |
| 2-butanone oxime                           | Category 1 | -                 | upper respiratory tract      |
|  | Category 3 |                   | Narcotic effects             |

Specific target organ toxicity (repeated exposure)

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## **Section 11. Toxicological information**

| Name                                       | 3 3 3      | Route of exposure | Target organs                   |
|--|------------|-------------------|---------------------------------|
| Solvent naphtha (petroleum), medium aliph. | Category 1 |                   | central nervous<br>system (CNS) |
| 2-butanone oxime                           | Category 2 | -                 | blood system                    |

#### **Aspiration hazard**

| Name                                       | Result   |
|--|--|
| Solvent naphtha (petroleum), medium aliph. | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 |

Information on the likely

: Not available.

routes of exposure

Potential acute health effects

**Eye contact** : Causes serious eye irritation. **Inhalation** : May cause respiratory irritation.

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

skin reaction.

**Ingestion**: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:

pain or irritation watering

redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

reduced fetal weight increase in fetal deaths skeletal malformations

**Skin contact**: Adverse symptoms may include the following:

irritation redness dryness cracking

reduced fetal weight increase in fetal deaths skeletal malformations

**Ingestion**: Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

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## **Section 11. Toxicological information**

**Short term exposure** 

**Potential immediate** 

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

General: May cause damage to organs through prolonged or repeated exposure. 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** : May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity**: May damage fertility or the unborn child.

#### **Numerical measures of toxicity**

### **Acute toxicity estimates**

| Route        | ATE value      |
|--------------|----------------|
| <b>⊘</b> ral | 45118.12 mg/kg |

### Other information

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 vapor/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.

# Section 12. Ecological information

#### **Toxicity**

| Product/ingredient name                  | Result   | Species         | Exposure             |
|--|--|-----------------|----------------------|
| Solvent naphtha (petroleum), heavy arom. | NOEL 0.48 mg/l Fresh water                                 | Daphnia         | 21 days              |
| 1-methoxy-2-propanol                     | Acute LC50 23300 mg/l<br>Acute LC50 >4500 mg/l Fresh water | Daphnia<br>Fish | 48 hours<br>96 hours |
| 2-ethylhexanoic acid, zirconium salt     | Acute LC50 >100 mg/l                                       | Fish            | 96 hours             |

**Conclusion/Summary** 

: There are no data available on the mixture itself.

#### Persistence/degradability

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|-----------|--------------|-------------|
|-----------|--------------|-------------|

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## **Section 12. Ecological information**

Not available.

**Conclusion/Summary** 

: There are no data available on the mixture itself.

#### **Bioaccumulative potential**

| Product/ingredient name      | LogPow     | BCF  | Potential |
|------------------------------|------------|------|-----------|
| 2-ethylhexanoic acid         | 2.7        | -    | Low       |
| Solvent naphtha (petroleum), | 2.8 to 6.5 | -    | High      |
| heavy arom.                  |            |      |           |
| 1-methoxy-2-propanol         | <1         | -    | Low       |
| 2-butanone oxime             | 0.63       | 5.01 | Low       |

### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

# Section 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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. Vapor 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

## **Section 14. Transport information**

|                            | UN     | IMDG   | IATA   |
|----------------------------|--------|--------|--------|
| UN number                  | UN1263 | UN1263 | UN1263 |
| UN proper shipping name    | PAINT  | PAINT  | PAINT  |
| Transport hazard class(es) | 3      | 3      | 3      |
| Packing group              | III    | III    | III    |
|                            |        |        |        |

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### **Section 14. Transport information**

No. **Environmental** No. No.

hazards

**Marine pollutant** Not applicable. Not applicable. Not applicable. substances

#### **Additional information**

UN : None identified. : None identified. **IMDG IATA** : None identified.

Special precautions for user : 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.

Transport in bulk according: Not applicable.

to IMO instruments

## Section 15. Regulatory information

Singapore - hazardous chemicals under government control

None.

International regulations

**Montreal Protocol** 

Not listed.

**Stockholm Convention on Persistent Organic Pollutants** 

Not listed.

### Section 16. Other information

**History** 

Date of issue/Date of

revision

: 26 April 2024

**Date of previous issue** : 3/1/2022 Version

**Prepared by** 

: 13

**Key to abbreviations** : ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

: EHS

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

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### **Section 16. Other information**

UN = United Nations

▼ Indicates information that has changed from previously issued version.

### **Notice to reader**

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