# **SAFETY DATA SHEET**



Date of issue 5 May 2023

Version 2

| Section 1. Identification     |  |  |
|-------------------------------|--|--|
| Chemical name                 | : SIGMARINE 48 GREEN 4199  |  |
| GHS product identifier        | : SIGMARINE 48 GREEN 4199  |  |
| Code                          | : 00445379   |  |
| Relevant identified uses of   | of the substance or mixture and uses advised against   |  |
| Product use                   | Coating.<br>Professional applications, Used by spraying.   |  |
| Supplier's details            | : PPG Industries International Inc. Taiwan Branch.<br>No.209, Hong Tzuenn Rd Ping Chen City, Taoyuan County, Taiwan<br>Tel: 886 3 3663922<br>886 3 3751639 (Automotive OEM Coatings Products).<br>Fax: 886 3 2182667 |  |
| Emergency telephone<br>number | : North: +886-3-3663922<br>North : +886-911998320<br>South: +886-7-8718105<br>South : +886-932793707   |  |

# Section 2. Hazards identification

| Classification of the | : FLAMMABLE LIQUIDS - Category 3   |
|-----------------------|--|
| substance or mixture  | SKIN SENSITIZATION - Category 1  |
|                       | TOXIC TO REPRODUCTION - Category 1B  |
|                       | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -                                      |
|                       | Category 3   |
|                       | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1<br>AQUATIC TOXICITY (CHRONIC) - Category 2 |
|                       | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 39.8% |
| GHS label elements    |  |
| Hazard pictograms     |  |
|                       |  |
| Signal word           | : Danger   |
|                       |  |

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## Section 2. Hazards identification

| Hazard statements                                   | : | <ul> <li>Mammable liquid and vapor.</li> <li>May cause an allergic skin reaction.</li> <li>May cause drowsiness or dizziness.</li> <li>May damage fertility or the unborn child.</li> <li>Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS))</li> <li>Toxic to aquatic life with long lasting effects.</li> </ul>  |
|---|---|--|
| Precautionary statements                            |   |  |
| Prevention  | : | Detain special instructions before use. Do not handle until all safety precautions<br>have been read and understood. Wear protective gloves, protective clothing and<br>eye or face protection. Keep away from heat, hot surfaces, sparks, open flames<br>and other ignition sources. No smoking. Use explosion-proof electrical, ventilating<br>or lighting equipment. Use non-sparking tools. Take action to prevent static<br>discharges. Use only outdoors or in a well-ventilated area. Avoid release to the<br>environment. Do not breathe vapor. Do not eat, drink or smoke when using this<br>product. Wash thoroughly after handling. Contaminated work clothing should not<br>be allowed out of the workplace. |
| Response  | : | Collect spillage. IF exposed or concerned: Get medical advice or attention. IF<br>INHALED: Remove person to fresh air and keep comfortable for breathing. Call a<br>POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off<br>immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash<br>with plenty of water. If skin irritation or rash occurs: Get medical advice or attention.  |
| Storage   | : | Store locked up. Store in a well-ventilated place. Keep container tightly closed.<br>Keep cool.  |
| Disposal  | 1 | Dispose of contents and container in accordance with all local, regional, national and international regulations.  |
| Other hazards which do not result in classification | 1 | Prolonged or repeated contact may dry skin and cause irritation.   |

result in classification

# Section 3. Composition/information on ingredients

| Substance/mixture : Mixture   |  |  |
|---|--|--|
| Hazardous ingredients   | <b>Concentration %</b>                                     | CAS number   |
| Naphtha (petroleum), hydrodesulfurized heavy<br>Talc , not containing asbestiform fibres<br>2-ethylhexanoic acid, zirconium salt<br>calcium bis(2-ethylhexanoate)<br>cobalt bis(2-ethylhexanoate) | 25 - <50<br>3 - <5<br>0.3 - <1<br>0.1 - <0.3<br>0.1 - <0.3 | 64742-82-1<br>14807-96-6<br>22464-99-9<br>136-51-6<br>136-52-7 |
| Hazardous ingredients   | Concentration %  | CAS number   |
| Naphtha (petroleum), hydrodesulfurized heavy<br>Talc , not containing asbestiform fibres<br>2-ethylhexanoic acid, zirconium salt<br>calcium bis(2-ethylhexanoate)<br>cobalt bis(2-ethylhexanoate) | 25 - <50<br>3 - <5<br>0.3 - <1<br>0.1 - <0.3<br>0.1 - <0.3 | 64742-82-1<br>14807-96-6<br>22464-99-9<br>136-51-6<br>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.

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# Section 3. Composition/information on ingredients

SUB codes represent substances without registered CAS Numbers.

## Section 4. First aid measures

| Description of necess | ary first aid measures  |
|-----------------------|---|
| Inhalation            | <ul> <li>Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is<br/>irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by<br/>trained personnel.</li> </ul>                            |
| Ingestion             | <ul> <li>If swallowed, seek medical advice immediately and show this container or label.<br/>Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>   |
| 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.  |
| Eye contact           | <ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the<br/>eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>   |
| Most important sympt  | coms/effects, acute and delayed   |
| Potential acute healt | h effects   |
| Eye contact           | : No known significant effects or critical hazards.   |
| Inhalation            | <ul> <li>Can cause central nervous system (CNS) depression. May cause drowsiness or<br/>dizziness.</li> </ul>   |
| Skin contact          | : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.  |
| Ingestion             | : Can cause central nervous system (CNS) depression.  |
| Over-exposure signs   | s/symptoms  |
| Eye contact           | : No specific data.   |
| Inhalation            | <ul> <li>Adverse symptoms may include the following:<br/>nausea or vomiting<br/>headache<br/>drowsiness/fatigue<br/>dizziness/vertigo<br/>unconsciousness<br/>reduced fetal weight<br/>increase in fetal deaths<br/>skeletal malformations</li> </ul> |
| Skin contact          | : Adverse symptoms may include the following:<br>irritation<br>redness<br>dryness<br>cracking<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
| Ingestion             | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |

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

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# Section 4. First aid measures

| 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        | : No specific treatment.   |    |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If<br>is suspected that fumes are still present, the rescuer should wear an appropriate<br>mask or self-contained breathing apparatus. It may be dangerous to the person<br>providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing<br>thoroughly with water before removing it, or wear gloves. | it |

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

| Extinguishing media                            |   |  |
|--|---|--|
| Suitable                                       | Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.  |  |
| Not suitable                                   | : Do not use water jet.   |  |
| Specific hazards arising from the chemical     | : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.<br>In a fire or if heated, a pressure increase will occur and the container may burst, with<br>the risk of a subsequent explosion. This material is 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. |  |
| Hazardous thermal decomposition products       | : Decomposition products may include the following materials:<br>carbon oxides<br>nitrogen oxides<br>halogenated compounds<br>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 | <ul> <li>Fire-fighters should wear appropriate protective equipment and self-contained<br/>breathing apparatus (SCBA) with a full face-piece operated in positive pressure<br/>mode.</li> </ul>   |  |

# Section 6. Accidental release measures

| Personal precautions,<br>protective equipment and<br>emergency procedures | : 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 spilled material. Shut off all ignition sources.<br>No flares, smoking or flames in hazard area. Avoid breathing vapor or mist.<br>Provide adequate ventilation. Wear appropriate respirator when ventilation is<br>inadequate. Put on appropriate personal protective equipment. |
|---|---|
| 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.  |
| Methods and materials for co  | ntainment and cleaning up   |

Methods and materials for containment and cleaning up

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# Section 6. Accidental release measures

| 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. |
|-------------|--|
| 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.   |

# Section 7. Handling and storage

| Precautions for safe :<br>handling                                   | 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. 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. |
|--|---|
|  | 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.  |
| Conditions for safe storage, :<br>including any<br>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 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   |  |
|---|---|---|--|
| Talc (Mg3H2(SiO3)4)<br>2-ethylhexanoic acid, zirconium salt |   | TW Minstry of Labor, labor permissible<br>workplace exposure standards, allowable<br>concentration (Taiwan, 3/2018).<br>STEL: 4 mg/m <sup>3</sup> 15 minutes.<br>TWA: 2 mg/m <sup>3</sup> 8 hours.<br>TW Minstry of Labor, labor permissible<br>workplace exposure standards, allowable<br>concentration (Taiwan, 3/2018).<br>[Zirconium compounds]<br>STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes.<br>TWA: 5 mg/m <sup>3</sup> , (as Zr) 8 hours.  |  |
| Appropriate engineering controls                            | ventilation or other eng<br>contaminants below an<br>also need to keep gas,   | e ventilation. Use process enclosures, local exhaust<br>ineering controls to keep worker exposure to airborne<br>by recommended or statutory limits. The engineering controls<br>vapor or dust concentrations below any lower explosive<br>proof ventilation equipment.   |  |
| ndividual protection measu                                  | res   |   |  |
| Respiratory protection                                      | hazards of the product<br>workers are exposed to<br>appropriate, certified re   | ust be based on known or anticipated exposure levels, the<br>and the safe working limits of the selected respirator. If<br>o concentrations above the exposure limit, they must use<br>espirators. Use a properly fitted, air-purifying or air-fed<br>th an approved standard if a risk assessment indicates this is  |  |
| Hand protection   | be worn at all times wh<br>this is necessary. Con<br>check during use that t<br>should be noted that th<br>different for different gl | Chemical-resistant, impervious gloves complying with an approved standard should<br>be worn at all times when handling chemical products if a risk assessment indicates<br>this is necessary. Considering the parameters specified by the glove manufacturer,<br>check during use that the gloves are still retaining their protective properties. It<br>should be noted that the time to breakthrough for any glove material may be<br>different for different glove manufacturers. In the case of mixtures, consisting of<br>several substances, the protection time of the gloves cannot be accurately<br>estimated. |  |
| Gloves  | : butyl rubber  |   |  |
| Skin protection   | : Appropriate footwear a selected based on the  | nd any additional skin protection measures should be<br>task being performed and the risks involved and should be<br>st before handling this product.   |  |
| Eye protection  | : Safety glasses with sid   | e shields.  |  |
| Hygiene measures  | before eating, smoking<br>Appropriate techniques<br>Contaminated work clo   | and face thoroughly after handling chemical products,<br>and using the lavatory and at the end of the working period.<br>should be used to remove potentially contaminated clothing.<br>thing should not be allowed out of the workplace. Wash<br>before reusing. Ensure that eyewash stations and safety<br>he workstation location.   |  |

# Section 9. Physical and chemical properties

### Appearance Physical state

| :    | Liquid. |
|------|---------|
| - A. | Groon   |

|  |   | •                         |             |
|--|---|---------------------------|-------------|
| Color  | 1 | Green.                    |             |
| Odor   | 1 | Characteristic.           |             |
| Odor threshold                               | : | Not available.            |             |
| рН   | : | Not applicable.           |             |
| Melting point                                | : | Not available.            |             |
| Boiling point                                | : | >37.78°C (>100°F)         |             |
| Flash point                                  | : | Closed cup: 42°C (107.6°F | =)          |
| Flammability (solid, gas)                    | : | Not available.            |             |
| Burning time                                 | : | Not applicable.           |             |
| Burning rate                                 | : | Not applicable.           |             |
| Decomposition temperature                    | : | Not available.            |             |
| Evaporation rate                             | 1 | Not available.            |             |
| Lower and upper explosive (flammable) limits | : | Not available.            |             |
| Vapor pressure                               | 1 | Not available.            |             |
| Vapor density                                | : | Not available.            |             |
| Relative density                             | 1 | 0.97                      |             |
| Solubility(icc)                              |   | Media                     | Result      |
| Solubility(ies)                              | 1 | cold water                | Not soluble |
| Partition coefficient: n-<br>octanol/water   | : | Not applicable.           |             |
| Auto-ignition temperature                    | 1 | Not available.            |             |
| Viscosity                                    | : | Kinematic (40°C): >21 mm  | 1²/s        |
|  |   |                           |             |

# Section 10. Stability and reactivity

|                                       | -  |
|---------------------------------------|--|
| Chemical stability                    | : The product is stable.   |
| Possibility of hazardous<br>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      | <ul> <li>Depending on conditions, decomposition products may include the following<br/>materials: carbon oxides nitrogen oxides halogenated compounds metal oxide/<br/>oxides</li> </ul> |
| Hazardous polymerization              | : Under normal conditions of storage and use, hazardous polymerization will not occur.   |

# Section 11. Toxicological information

### Information on toxicological effects

### Acute toxicity

| Product/ingredient name                         | Result      | Species | Dose        | Exposure |
|---|-------------|---------|-------------|----------|
| Naphtha (petroleum),<br>hydrodesulfurized heavy | LD50 Oral   | Rat     | >5000 mg/kg | -        |
| 2-ethylhexanoic acid, zirconium salt            | LD50 Dermal | Rabbit  | >5 g/kg     | -        |
|   | LD50 Oral   | Rat     | >5 g/kg     | -        |
| cobalt bis(2-ethylhexanoate)                    | LD50 Dermal |         | >5 g/kg     | -        |
|   | LD50 Oral   | Rat     | 3129 mg/kg  | -        |

### Irritation/Corrosion

Not available.

### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

### **Carcinogenicity**

Not available.

### Reproductive toxicity

Not available.

### **Teratogenicity**

Not available.

### Specific target organ toxicity (single exposure)

| Name  | Category                 | Route of exposure | Target organs                                       |
|---|--------------------------|-------------------|---|
| Naphtha (petroleum), hydrodesulfurized heavy<br>Talc (Mg3H2(SiO3)4) | Category 3<br>Category 3 |                   | Narcotic effects<br>Respiratory tract<br>irritation |
|   | Category 3               |                   | Narcotic effects                                    |

Specific target organ toxicity (repeated exposure)

| Name   |            | Route of exposure | Target organs                   |
|--|------------|-------------------|---------------------------------|
| Naphtha (petroleum), hydrodesulfurized heavy | Category 1 | -                 | central nervous<br>system (CNS) |

#### Aspiration hazard

| Name   | Result                         |
|--|--------------------------------|
| Naphtha (petroleum), hydrodesulfurized heavy | ASPIRATION HAZARD - Category 1 |

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|            |            |

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# Section 11. Toxicological information

| Information on the likely routes of exposure | :   | Not available.  |
|--|-----|---|
| Potential acute health effects               | 2   |   |
| Inhalation                                   | 1   | Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.   |
| Ingestion                                    | 1   | Can cause central nervous system (CNS) depression.  |
| Skin contact                                 | 1   | Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.  |
| Eye contact                                  | 1   | No known significant effects or critical hazards.   |
| Symptoms related to the phy                  | sio | al, chemical and toxicological characteristics  |
| Eyes   |     | No specific data.   |
| Inhalation                                   | :   | Adverse symptoms may include the following:<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| Skin   | :   | Adverse symptoms may include the following:<br>irritation<br>redness<br>dryness<br>cracking<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
| Ingestion                                    | :   | Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
| Delayed and immediate effect                 | ts  | and also chronic effects from short and long term exposure  |
| Short term exposure                          |     |   |
| Potential immediate<br>effects               | :   | Not available.  |
| Potential delayed effects                    | :   | Not available.  |
| Long term exposure                           |     |   |
| Potential immediate<br>effects               | ;   | Not available.  |
| Potential delayed effects                    | :   | Not available.  |

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### Section 11. Toxicological information

### Potential chronic health effects

#### Not available.

| General               | : Causes 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       | : No known significant effects or critical hazards.  |
| Mutagenicity          | : No known significant effects or critical hazards.  |
| Reproductive toxicity | : May damage fertility or the unborn child.  |
| Inhalation            | : No known significant effects or critical hazards.  |
| Ingestion             | : No known significant effects or critical hazards.  |
| Skin contact          | : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.  |
| Eye contact           | : No known significant effects or critical hazards.  |

### Numerical measures of toxicity

### Acute toxicity estimates

| Product/ingredient name  | Oral (mg/<br>kg)   | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | (vapors) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|--|--------------------|-------------------|--------------------------------|----------|--|
| SIGMARINE 48 GREEN 4199<br>Talc (Mg3H2(SiO3)4)<br>cobalt bis(2-ethylhexanoate) | N/A<br>N/A<br>3129 |                   | N/A<br>N/A<br>N/A              | 11       | N/A<br>N/A<br>N/A                            |

### 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 |
|--------------------------------------|----------------------|---------|----------|
| 2-ethylhexanoic acid, zirconium salt | Acute LC50 >100 mg/l | Fish    | 96 hours |

### Persistence and degradability

Not available.

### **Bioaccumulative potential**

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### Section 12. Ecological information

Not available.

| <u>Mobility in soil</u>                |                  |
|--|------------------|
| 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  | ΙΑΤΑ   |
|-------------------------------|--|---|--|
| UN number                     | UN1263   | UN1263  | UN1263   |
| UN proper<br>shipping name    | PAINT  | PAINT   | PAINT  |
| Transport hazard<br>class(es) | 3  | 3   | 3  |
| Packing group                 |  | III   | III  |
| Environmental<br>hazards      | Yes. The environmentally<br>hazardous substance mark is<br>not required. | Yes.  | Yes. The environmentally<br>hazardous substance mark is<br>not required. |
| Marine pollutant substances   | Not applicable.  | (Naphtha (petroleum),<br>hydrodesulfurized heavy) | Not applicable.  |

### Additional information

: None identified.

UN IMDG

: The marine pollutant mark is not required when transported in sizes of  $\leq$ 5 L or  $\leq$ 5 kg.

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### Section 14. Transport information

ΙΑΤΑ

: The environmentally hazardous substance mark may appear if required by other transportation regulations.

# **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

### **TCCSCA List of toxic chemicals**

Not applicable.

**TCCSCA List of concerned chemicals** 

Not applicable.

health"

is defined as "work specially hazardous to

# List of chemicals for which manufacturing or handling

- : This product contains substances "Specially hazardous to health": xylene, methanol,
- 2-butoxyethanol, butanone, toluene, butan-2-ol, n-hexane, n-butyl acetate, acetone.

Regulations Applicable:

- 1. Rules for Occupational Safety and Health Facilities
- 2. Regulations for the Labeling and Hazard Communication of Hazardous Chemicals
- 3. Prevention Rules for Organic Solvent Intoxication/Poisoning.
- 4. Standards of Permissible Exposure Limits of Airborne Hazardous Substances in Workplace
- 5. Traffic Safety Regulation of Road.

# Section 16. Other information

| References                            | Not available.   |   |  |
|---------------------------------------|--|---|--|
| Organization that<br>prepared the SDS | Name: PPG Industries International Inc., Taiwan Branch   |   |  |
|                                       | Address / Telephone :<br>No.209, Hong Tzuenn Rd Ping Chen City, Taoyuan County, Taiwan<br>North: +886-3-3663922<br>North : +886-911998320<br>South: +886-7-8718105<br>South : +886-932793707 |   |  |
| Person who<br>prepared the SDS        | <b>Title:</b><br>Technical manager<br>Technical manager  | Name: (Signature):<br>Tony Cheng<br>Daniel Wu |  |
| Date of issue                         | 5 May 2023   |   |  |
| Date of previous issue                | : 2/2/2023   |   |  |
| Version                               | : 2  |   |  |

### Section 16. Other information

| Indicates information that has changed from previously issued version. |   |  |  |
|--|---|--|--|
| Remarks  | : New SDS layout incorporating TW Table 2017  |  |  |
| Key to abbreviations   | <ul> <li>ADN = European Provisions concerning the International Carriage of Dangerous<br/>Goods by Inland Waterway</li> <li>ADR = The European Agreement concerning the International Carriage of<br/>Dangerous Goods by Road</li> <li>ATE = Acute Toxicity Estimate</li> <li>BCF = Bioconcentration Factor</li> <li>GHS = Globally Harmonized System of Classification and Labelling of Chemicals</li> <li>IATA = International Air Transport Association</li> <li>IMDG = International Maritime Dangerous Goods</li> <li>LogPow = logarithm of the octanol/water partition coefficient</li> <li>MARPOL = International Convention for the Prevention of Pollution From Ships,<br/>1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)</li> <li>RID = The Regulations concerning the International Carriage of Dangerous Goods<br/>by Rail</li> <li>UN = United Nations</li> </ul> |  |  |

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