# **SAFETY DATA SHEET**



Date of issue/Date of revision 4 April 2024 Version 2.02

| Section 1. Identification   |   |  |
|---|---|--|
| Product code  | : 000001175695  |  |
| Product name  | : SIGMADUR 520 (FLAT) BASE RAL 9005   |  |
| Other means of identification 00399215  | on  |  |
| Product type  | : Liquid.   |  |
| Relevant identified uses of the substance or mixture and uses advised against |   |  |
| Product use   | Coating.<br>Professional applications, Used by spraying.  |  |
| Supplier's details  | : PPG Industries (Singapore) Pte. Ltd., No. 1 Tuas Basin Close, Singapore 638803.<br>Tel +65 68653737 |  |
| Emergency telephone<br>number (with hours of<br>operation)                    | : CHEMTREC +(65)-31581349 (CCN 17704)   |  |

# Section 2. Hazards identification

Singapore

| Classification of the substance or mixture | : FLAMMABLE LIQUIDS - Category 3<br>ACUTE TOXICITY (inhalation) - Category 4<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract<br>irritation) - Category 3 |  |
|--|--|--|
| GHS label elements, includi                | ng precautionary statements  |  |
| Hazard pictograms                          |  |  |
| Signal word                                | : Warning  |  |
| Hazard statements                          | : Flammable liquid and vapour.<br>Causes skin irritation.<br>Causes serious eye irritation.<br>Harmful if inhaled.<br>May cause respiratory irritation.  |  |
| Precautionary statements                   |  |  |

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# Section 2. Hazards identification

| Prevention                 | : Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapour. Wash thoroughly after handling.  |
|----------------------------|--|
| Response                   | : IF INHALED: Call a POISON CENTER or doctor if you feel unwell. Take off<br>contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of<br>water. IF IN EYES: Rinse cautiously with water for several minutes. Remove<br>contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists:<br>Get medical advice or attention. |
| Storage                    | : Store in a well-ventilated place. Keep container tightly closed.   |
| Disposal                   | : Not applicable.  |
| Other hazards which do not | Prolonged or repeated contact may dry skin and cause irritation  |

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                    | 1 | Mixture.        |
|                              |   |                 |

| Ingredient name                                    | %        | CAS number |
|--|----------|------------|
| xylene   | 10 - <20 | 1330-20-7  |
| Talc , not containing asbestiform fibres           | 5 - <10  | 14807-96-6 |
| 2-methoxy-1-methylethyl acetate                    | 5 - <10  | 108-65-6   |
| Solvent naphtha (petroleum), light aromatic        | 5 - <10  | 64742-95-6 |
| 1,2,4-trimethylbenzene                             | 3 - <5   | 95-63-6    |
| ethylbenzene                                       | 3 - <5   | 100-41-4   |
| 3-ethyltoluene                                     | 1 - <3   | 620-14-4   |
| Octadecanamide, N,N'-1,6-hexanediylbis[12-hydroxy- | 0.3 - <1 | 55349-01-4 |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate    | 0.3 - <1 | 41556-26-7 |

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.

# Section 4. First aid measures

| Description of necessary first aid measures |  |  |
|---|--|--|
| 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>  |  |
| 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> |  |
| 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.   |  |

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## Section 4. First aid measures

Ingestion

: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

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

| Potential acute health effe | <u>cts</u>   |
|-----------------------------|--|
| Eye contact                 | : Causes serious eye irritation.   |
| Inhalation                  | : Harmful if inhaled. May cause respiratory irritation.  |
| Skin contact                | : Causes skin irritation. Defatting to the skin.   |
| Ingestion                   | : No known significant effects or critical hazards.  |
| Over-exposure signs/sym     | <u>ptoms</u>   |
| Eye contact                 | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness   |
| Inhalation                  | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing  |
| Skin contact                | : Adverse symptoms may include the following:<br>irritation<br>redness<br>dryness<br>cracking  |
| Ingestion                   | : No specific data.  |
| Indication of immediate me  | dical attention and special treatment needed, if necessary   |
| Notes to physician          | <ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large<br/>quantities have been ingested or inhaled.</li> </ul>  |
| Specific treatments         | : No specific treatment.   |
| 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. |
|                             |  |

See toxicological information (Section 11)

# Section 5. Firefighting 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 vapour. 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. |
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# Section 5. Firefighting measures

| Hazardous thermal decomposition products       | : Decomposition products may include the following materials:<br>carbon oxides<br>sulfur 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, protective equipment and emergency procedures For non-emergency : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from personnel entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing 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". **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).

### 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill 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). Do not ingest.<br>Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use<br>only with adequate ventilation. Wear appropriate respirator when ventilation is<br>inadequate. Do not enter storage areas and confined spaces unless adequately<br>ventilated. Keep in the original container or an approved alternative made from a<br>compatible material, kept tightly closed when not in use. Store and use away from<br>heat, sparks, open flame or any other ignition source. Use explosion-proof electrical<br>(ventilating, lighting and material handling) equipment. Use only non-sparking tools.<br>Take precautionary measures against electrostatic discharges. Empty containers<br>retain product residue and can be hazardous. Do not reuse container. |
|--|--|
| Advice on general<br>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.  |
| 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 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.   |

# Section 8. Exposure controls/personal protection

### Control parameters

**Occupational exposure limits** 

| Ingredient name                          | Exposure limits  |
|--|--|
| ₩ylene                                   | Workplace Safety and Health Act<br>(Singapore, 2/2006). [Xylene]<br>PEL (short term): 651 mg/m <sup>3</sup> 15 minutes.<br>PEL (short term): 150 ppm 15 minutes.<br>PEL (long term): 434 mg/m <sup>3</sup> 8 hours.<br>PEL (long term): 100 ppm 8 hours. |
| Talc , not containing asbestiform fibres | Workplace Safety and Health Act<br>(Singapore, 2/2006).<br>PEL (long term): 2 mg/m <sup>3</sup> 8 hours.   |
| 1,2,4-trimethylbenzene                   | Workplace Safety and Health Act<br>(Singapore, 2/2006). [Trimethyl benzene]<br>PEL (long term): 123 mg/m <sup>3</sup> 8 hours.<br>PEL (long term): 25 ppm 8 hours.   |
| ethylbenzene                             | Workplace Safety and Health Act<br>(Singapore, 2/2006).<br>PEL (short term): 543 mg/m <sup>3</sup> 15 minutes.   |

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# Section 8. Exposure controls/personal protection

|                                   |           |   | PEL (short term): 125 ppm 15 minutes.<br>PEL (long term): 434 mg/m <sup>3</sup> 8 hours.<br>PEL (long term): 100 ppm 8 hours. |  |  |
|-----------------------------------|-----------|---|---|--|--|
| Recommended monitoring procedures | :         | <ul> <li>Reference should be made to appropriate monitoring standards. Reference to<br/>national guidance documents for methods for the determination of hazardous<br/>substances will also be required.</li> </ul>   |   |  |  |
| 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.  |   |  |  |
| Environmental exposure controls   | :         | Emissions from ventilation or work process equipment should be checked to ensure<br>they comply with the requirements of environmental protection legislation. In some<br>cases, fume scrubbers, filters or engineering modifications to the process<br>equipment will be necessary to reduce emissions to acceptable levels.   |   |  |  |
| Individual protection measur      | <u>es</u> |   |   |  |  |
| Hygiene measures                  | :         | Wash hands, forearms and face thoroughly after handling chemical products, before<br>eating, smoking and using the lavatory and at the end of the working period.<br>Appropriate techniques should be used to remove potentially contaminated clothing.<br>Wash contaminated clothing before reusing. Ensure that eyewash stations and<br>safety showers are close to the workstation location.   |   |  |  |
| Eye/face protection               | :         | Chemical splash goggles.  |   |  |  |
| Skin protection                   |           |   |   |  |  |
| Hand protection                   | :         | 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                            | :         | For prolonged or repeated handling, u   | se the following type of gloves:  |  |  |
|                                   |           | May be used: Chloroprene, nitrile rubb<br>Recommended: neoprene, natural rub<br>(PVA), Viton®   | ber<br>bber (latex), butyl rubber, polyvinyl alcohol  |  |  |
| Body protection                   | :         | being performed and the risks involve<br>before handling this product. When the<br>wear anti-static protective clothing. For  |   |  |  |
| Other skin protection             | :         | discharges, clothing should include anti-static overalls, boots and gloves.<br>Appropriate footwear and any additional skin protection measures should be<br>selected based on the task being performed and the risks involved and should be<br>approved by a specialist before handling this product.  |   |  |  |

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# Section 8. Exposure controls/personal protection

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

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# **Section 9. Physical and chemical properties**

| <u>Appearance</u>         |   |  |  |  |
|---------------------------|---|--|--|--|
| Physical state            | : | Liquid.  |  |  |
| Colour                    | : | Black.   |  |  |
| Odour                     | : | Aromatic. [Slight]   |  |  |
| рН                        | : | insoluble in water.  |  |  |
| Boiling point             | : | >37.78°C (>100°F)  |  |  |
| Flash point               | : | Closed cup: 34°C (93.2°F)  |  |  |
| Evaporation rate          | : | Highest known value: 0.84 (ethylbenzene) Weighted average: 0.78compared with butyl acetate                           |  |  |
| Flammability (solid, gas) | : | liquid   |  |  |
| Vapour pressure           | : | Highest known value: 1.2 kPa (9.3 mm Hg) (at 20°C) (ethylbenzene). Weighted average: 0.65 kPa (4.88 mm Hg) (at 20°C) |  |  |
| Vapour density            | : | Highest known value: 4.6 (Air = 1) (2-methoxy-1-methylethyl acetate). Weighted average: 3.94 (Air = 1)               |  |  |
| Relative density          | : | 1.17   |  |  |
| Solubility(ies)           |   | Media Result   |  |  |
| Solubility(les)           |   | cold water Not soluble   |  |  |
| Auto-ignition temperature | : | Lowest known value: 333°C (631.4°F) (2-methoxy-1-methylethyl acetate).   |  |  |
| Viscosity                 | 1 | Kinematic (room temperature): >400 mm²/s (>400 cSt)<br>Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)                 |  |  |
| Viscosity                 | : | 60 - 100 s (ISO 6mm)   |  |  |

# 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: oxidising agents, strong alkalis, strong acids. |
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# Section 10. Stability and reactivity

| Hazardous decomposition : | Depending on conditions, decomposition products may include the following           |
|---------------------------|---|
| products                  | materials: carbon oxides sulfur oxides halogenated compounds metal oxide/<br>oxides |

# Section 11. Toxicological information

### Information on toxicological effects

### Acute toxicity

| Product/ingredient name                             | Result                 | Species | Dose                    | Exposure |
|---|------------------------|---------|-------------------------|----------|
| <b>x</b> ylene                                      | LD50 Dermal            | Rabbit  | 1.7 g/kg                | -        |
| -   | LD50 Oral              | Rat     | 4.3 g/kg                | -        |
| 2-methoxy-1-methylethyl acetate                     | LC50 Inhalation Vapour | Rat     | 30 mg/l                 | 4 hours  |
|   | LD50 Dermal            | Rabbit  | >5 g/kg                 | -        |
|   | LD50 Oral              | Rat     | 6190 mg/kg              | -        |
| Solvent naphtha (petroleum), light aromatic         | LD50 Dermal            | Rabbit  | 3.48 g/kg               | -        |
| 0   | LD50 Oral              | Rat     | 8400 mg/kg              | -        |
| 1,2,4-trimethylbenzene                              | LC50 Inhalation Vapour | Rat     | 18000 mg/m <sup>3</sup> | 4 hours  |
| •   | LD50 Oral              | Rat     | 5 g/kg                  | -        |
| ethylbenzene  | LC50 Inhalation Vapour | Rat     | 17.8 mg/l               | 4 hours  |
| -   | LD50 Dermal            | Rabbit  | 17.8 g/kg               | -        |
|   | LD50 Oral              | Rat     | 3.5 g/kg                | -        |
| bis(1,2,2,6,6-pentamethyl-<br>4-piperidyl) sebacate | LD50 Oral              | Rat     | 3.125 g/kg              | -        |

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

### Irritation/Corrosion

| Product/ingredient name | Result                     | Species             | Score      | Exposure           | Observation |
|-------------------------|----------------------------|---------------------|------------|--------------------|-------------|
| <b>x</b> ylene          | Skin - Moderate irritant   | t Rabbit            | -          | 24 hours 500<br>mg | -           |
| Conclusion/Summary      |                            | •                   |            |                    |             |
| Skin                    | : There are no data availa | able on the mixture | e itself.  |                    |             |
| Eyes                    | : There are no data availa | able on the mixture | e itself.  |                    |             |
| Respiratory             | : There are no data availa | able on the mixture | e itself.  |                    |             |
| Sensitisation           |                            |                     |            |                    |             |
| Conclusion/Summary      |                            |                     |            |                    |             |
| Skin                    | : There are no data availa | able on the mixtur  | e itself.  |                    |             |
| Respiratory             | : There are no data availa | able on the mixtur  | e itself.  |                    |             |
| <u>Autagenicity</u>     |                            |                     |            |                    |             |
| Conclusion/Summary      | : There are no data avail  | able on the mixtu   | re itself. |                    |             |
| Carcinogenicity         |                            |                     |            |                    |             |
| Conclusion/Summary      | : There are no data avail  | able on the mixtu   | re itself. |                    |             |
| Reproductive toxicity   |                            |                     |            |                    |             |
| Conclusion/Summary      | : There are no data avail  | able on the mixtu   | re itself. |                    |             |
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Section 11. Toxicological information

### **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                   |
|---|------------|-------------------|---------------------------------|
| xylene                                      | Category 3 | -                 | Respiratory tract irritation    |
| Talc , not containing asbestiform fibres    | Category 3 | -                 | Respiratory tract<br>irritation |
| 2-methoxy-1-methylethyl acetate             | Category 3 | -                 | Narcotic effects                |
| Solvent naphtha (petroleum), light aromatic | Category 3 | -                 | Narcotic effects                |
| 1,2,4-trimethylbenzene                      | Category 3 | -                 | Respiratory tract irritation    |

### Specific target organ toxicity (repeated exposure)

| Name         |            | Route of<br>exposure | Target organs  |
|--------------|------------|----------------------|----------------|
| ethylbenzene | Category 2 | -                    | hearing organs |

### Aspiration hazard

| Name  | Result                         |
|---|--------------------------------|
| xylene                                      | ASPIRATION HAZARD - Category 1 |
| Solvent naphtha (petroleum), light aromatic | ASPIRATION HAZARD - Category 1 |
| ethylbenzene                                | ASPIRATION HAZARD - Category 1 |
| 3-ethyltoluene                              | ASPIRATION HAZARD - Category 1 |

# Information on likely routes<br/>of exposure: Not available.Potential acute health effects:Eye contact: Causes serious eye irritation.Inhalation: Harmful if inhaled. May cause respiratory irritation.Skin contact: Causes skin irritation. Defatting to the skin.

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:<br>pain or irritation<br>watering<br>redness |
|-------------|--|
| Inhalation  | : Adverse symptoms may include the following: respiratory tract irritation coughing        |

# Section 11. Toxicological information

|                                | 5   |
|--------------------------------|---|
| Skin contact                   | : Adverse symptoms may include the following:<br>irritation<br>redness<br>dryness<br>cracking           |
| Ingestion                      | : No specific data.   |
|                                | cts as well as chronic effects from short and long-term exposure  |
| <u>Short term exposure</u>     |   |
| 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.  |
| Potential chronic health effe  | ects  |
| General                        | : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis. |
| Carcinogenicity                | : No known significant effects or critical hazards.   |
| Mutagenicity                   | : No known significant effects or critical hazards.   |
| Reproductive toxicity          | : No known significant effects or critical hazards.   |
|                                |   |

### Numerical measures of toxicity

Acute toxicity estimates

| Route | ATE value                                |
|-------|--|
|       | 8062.07 mg/kg<br>35.93 mg/l<br>4.35 mg/l |

### 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 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.

# Section 12. Ecological information

### **Toxicity**

| Product/ingredient name                     | Result   | Species  | Exposure      |
|---|--|--|---------------|
| P-methoxy-1-methylethyl acetate             | Acute LC50 134 mg/l Fresh water                                    | Fish - Oncorhynchus mykiss                     | 96 hours      |
| Solvent naphtha (petroleum), light aromatic | Acute LC50 8.2 mg/l  | Fish   | 96 hours      |
| ethylbenzene                                | Acute EC50 1.8 mg/l Fresh water<br>Chronic NOEC 1 mg/l Fresh water | Daphnia<br>Daphnia - <i>Ceriodaphnia dubia</i> | 48 hours<br>- |
| Conclusion/Summary                          | : There are no data available on the                               | mixture itself.                                | •             |

### Persistence/degradability

| Product/ingredient name         | Test        | Result                             | Dose   | Inoculum |
|---------------------------------|-------------|------------------------------------|--------|----------|
| 2-methoxy-1-methylethyl acetate | -           | 83 % - Readily - 28 days           | -      | -        |
| ethylbenzene                    | -           | 79 % - Readily - 10 days           | -      | -        |
| Conclusion/Summary              | : There are | no data available on the mixture i | tself. |          |

| Product/ingredient name                     | Aquatic half-life | Photolysis | Biodegradability   |
|---|-------------------|------------|--------------------|
| ylene<br>2-methoxy-1-methylethyl<br>acetate | -                 |            | Readily<br>Readily |
| ethylbenzene                                | -                 | -          | Readily            |

### **Bioaccumulative potential**

| Product/ingredient name         | LogPow | BCF         | Potential |
|---------------------------------|--------|-------------|-----------|
| <b>x</b> ylene                  | 3.12   | 7.4 to 18.5 | Low       |
| 2-methoxy-1-methylethyl acetate | 1.2    | -           | Low       |
| 1,2,4-trimethylbenzene          | 3.63   | 120.23      | Low       |
| ethylbenzene                    | 3.6    | 79.43       | Low       |
| 3-ethyltoluene                  | 3.98   | -           | 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 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. 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. 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

|                               | 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             | III             |
| Environmental<br>hazards      | No.             | No.             | No.             |
| Marine pollutant substances   | Not applicable. | Not applicable. | Not applicable. |

### **Additional information**

| Additional in |  |
|---------------|--|
| UN            | <ul> <li>This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to<br/>2.3.2.5.1.</li> </ul>   |
| IMDG          | <ul> <li>This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to<br/>2.3.2.5.</li> </ul>   |
| ΙΑΤΑ          | : None identified.   |
| Special pred  | cautions 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

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# 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

| <u>History</u>                 |   |
|--------------------------------|---|
| Date of issue/Date of revision | : 4 April 2024  |
| Date of previous issue         | : 11/16/2023  |
| Version                        | : 2.02  |
| Prepared by                    | : EHS   |
| Key to abbreviations           | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = Internediate Bulk Container<br>IMDG = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships,<br>1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>UN = United Nations |

Indicates information that has changed from previously issued version.

### Notice to reader

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 PPG, 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.