SAFETY DATA SHEET



Date of issue/Date of revision 25 October 2023 Version 3

| Section 1. Identification | | |
|--|---|--|
| Product code | : 00393303 | |
| Product name | : PITT-CHAR XP HARDENER BLACK | |
| Product type | : Liquid. | |
| Relevant identified uses o | f 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 : SKIN CORROSION/IRRITATION - Category 1C SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN SENSITISATION - Category 1 CARCINOGENICITY - Category 2 REPRODUCTIVE TOXICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 |
|--|
|--|

GHS label elements, including precautionary statements

| Hazard pictograms | |
|--------------------------|--|
| Signal word | : Danger |
| Hazard statements | Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. (urinary system) Toxic to aquatic life with long lasting effects. |
| Precautionary statements | |

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Section 2. Hazards identification

| Prevention | : Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment. Do not breathe vapour. |
|----------------------------|--|
| Response | : Collect spillage. IF exposed or concerned: Get medical advice or attention. IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing 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. Immediately call a POISON CENTER or doctor. |
| Storage | : Not applicable. |
| Disposal | : Not applicable. |
| Other herende which de net | Courses directive treat huma |

result in classification

Other hazards which do not : Causes digestive tract burns.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

CAS number/other identifiers

| CAS number | Not applicable. |
|-----------------|-----------------|
| EC number | Mixture. |
| Ingredient name | |

| Ingredient name | % | CAS number |
|--|----------|------------|
| [,, | 25 - <50 | 68082-29-1 |
| fatty acids and triethylenetetramine | | |
| melamine | 20 - <25 | 108-78-1 |
| 2,4,6-tris(dimethylaminomethyl)phenol | 5 - <10 | 90-72-2 |
| 3,6-diazaoctanethylenediamin | 3 - <5 | 112-24-3 |
| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) | 0.3 - <1 | 123-26-2 |

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 necess | sary first aid measures |
|-----------------------|--|
| Eye contact | : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention. |
| Inhalation | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |

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Section 4. First aid measures

| Skin contact | 1 | Remove contaminated clothing and shoes. Wash skin thoroughly with soap and |
|--------------|---|--|
| | | water or use recognised skin cleanser. Do NOT use solvents or thinners. |
| Ingestion | 1 | If swallowed, seek medical advice immediately and show the container or label. |
| | | Keep person warm and at rest. Do NOT induce vomiting. |
| Ingestion | 1 | |

Most important symptoms/effects, acute and delayed

| Potential acute health effects | | | |
|--------------------------------|---|--|--|
| Eye contact : | Causes serious eye damage. | | |
| Inhalation : | No known significant effects or critical hazards. | | |
| Skin contact : | \mathcal{C} auses severe burns. May cause an allergic skin reaction. | | |
| Ingestion : | Corrosive to the digestive tract. Causes burns. | | |
| Over-exposure signs/sympton | <u>ms</u> | | |
| Eye contact : | Adverse symptoms may include the following: pain watering redness | | |
| Inhalation : | Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations | | |
| Skin contact : | Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations | | |
| Ingestion : | Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations | | |

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

| Notes to physician | : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|----------------------------|---|
| 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

See toxicological information (Section 11)

Section 5. Firefighting measures

| Extinguishing media | |
|--|--|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known. |
| Specific hazards arising from the chemical | : In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon oxides nitrogen 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. |
| 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 spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|--------------------------------|--|
| For emergency responders | : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Environmental precautions | : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage. |
| Methods and material for con | ainment and cleaning up |
| Small spill | : Stop leak if without risk. Move containers from spill area. 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.

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Section 6. Accidental release measures

Large spill

: Stop leak if without risk. Move containers from spill area. 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 spilt 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 | tory of skin sensitiza ich this product is us oid exposure during en read and underste athe vapour or mist mal use the materia ntilation or wear appro- proved alternative m | sonal protective equipment (see Section 8). Persons with a tion problems should not be employed in any process in sed. Avoid exposure - obtain special instructions before use. pregnancy. Do not handle until all safety precautions have ood. Do not get in eyes or on skin or clothing. Do not . Do not ingest. Avoid release to the environment. If during all presents a respiratory hazard, use only with adequate ropriate respirator. Keep in the original container or an ade from a compatible material, kept tightly closed when not ers retain product residue and can be hazardous. Do not |
|--|---|--|
| Advice on general occupational hygiene | ndled, stored and pro ing, drinking and sm | noking should be prohibited in areas where this material is ocessed. Workers should wash hands and face before noking. Remove contaminated clothing and protective ring eating areas. See also Section 8 for additional measures. |
| Conditions for safe storage, including any incompatibilities | cordance with local r nlight in a dry, cool a e Section 10) and fo d sealed until ready f ealed and kept uprig e appropriate contain | wing temperatures: 0 to 35°C (32 to 95°F). Store in egulations. Store in original container protected from direct nd well-ventilated area, away from incompatible materials ood and drink. Store locked up. Keep container tightly closed for use. Containers that have been opened must be carefully ght to prevent leakage. Do not store in unlabelled containers. nment to avoid environmental contamination. See Section 10 als before handling or use. |

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|--|---|
| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) | ACGIH TLV (United States). TWA: 3 mg/m ³ Form: Respirable TWA: 10 mg/m ³ Form: Total dust |

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Section 8. Exposure controls/personal protection

| 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 | : | If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. | | |
| 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 measure | <u>es</u> | | | |
| Hygiene measures | : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. | | |
| Eye/face protection | : | Chemical splash goggles and face shield. | | |
| Skin protection | | | | |
| Hand protection | - | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. | | |
| Gloves | : | prítrile neoprene | | |
| 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. | | |
| 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 | |
|-------------------|--|
|-------------------|--|

| 1 | Liquid. | | |
|---|--|--|--|
| : | Black. | | |
| : | Characteristic. | | |
| : | insoluble in water. | | |
| : | >37.78°C (>100°F) | | |
| : | Closed cup: Not applicable. | | |
| : | Not available. | | |
| : | liquid | | |
| : | Highest known value: 0.007 kPa (0.06 mm Hg) (at 20°C) (2,4,6-tris (dimethylaminomethyl)phenol). Weighted average: 0.0007 kPa (0.005 mm Hg) (at 20°C) | | |
| : | Highest known value: 5.04 (Air = 1) (3,6-diazaoctanethylenediamin). | | |
| : | 1.14 | | |
| | Media Result | | |
| 1 | old water Not soluble | | |
| : | Lowest known value: 337.78°C (640°F) (3,6-diazaoctanethylenediamin). | | |
| : | 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: oxidising agents, strong alkalis, strong acids. |
| Hazardous decomposition products | : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|---------------------------------|---------|-------------------------|----------|
| Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | LD50 Dermal | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | >2000 mg/kg | - |
| melamine | LC50 Inhalation Dusts and mists | Rat | >5190 mg/m ³ | 4 hours |
| | LD50 Oral | Rat | 3161 mg/kg | - |
| 2,4,6-tris | LD50 Dermal | Rabbit | 1.28 g/kg | - |
| (dimethylaminomethyl) | | | | |
| phenol | | | | |
| | LD50 Dermal | Rat | 1280 mg/kg | - |
| | LD50 Oral | Rat | 1200 mg/kg | - |
| 3,6-diazaoctanethylenediamin | LD50 Dermal | Rabbit | 1465 mg/kg | - |
| | LD50 Oral | Rat | 1716 mg/kg | - |
| N,N'-ethane-1,2-diylbis | LC50 Inhalation Dusts and mists | Rat | >5.11 mg/l | 4 hours |
| (12-hydroxyoctadecan- 1-amide) | | | | |
| , , | LD50 Dermal | Rat | >2000 mg/kg | - |
| | LD50 Oral | Rat | >2000 mg/kg | - |

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

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--|--|-----------------|-------|--------------|-------------|
| Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | Eyes - Severe irritant | Rabbit | - | - | - |
| 2,4,6-tris (dimethylaminomethyl) phenol | Skin - Irritant Skin - Visible necrosis | Human Rabbit | - | - 4 hours | - 7 days |

Conclusion/Summary

Skin

: There are no data available on the mixture itself.

Eyes

: There are no data available on the mixture itself.

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

Section 11. Toxicological information

| | <u> </u> | | |
|---|---------------------------|--|-------------|
| Product/ingredient name | Route of exposure | Species | Result |
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | skin | Mouse | Sensitising |
| 3,6-diazaoctanethylenediamin | skin | Guinea pig | Sensitising |
| | | available on the mixture itself. available on the mixture itself. | |
| Conclusion/Summary : Carcinogenicity | There are no data | available on the mixture itself. | |
| Conclusion/Summary : <u>Reproductive toxicity</u> | There are no data | available on the mixture itself. | |
| Conclusion/Summary : <u>Teratogenicity</u> | There are no data | available on the mixture itself. | |
| Conclusion/Summary : | There are no data | available on the mixture itself. | |
| Specific target organ toxicity | <u>/ (single exposure</u> | D) | |

Not available.

Specific target organ toxicity (repeated exposure)

| Name | | Route of exposure | Target organs |
|----------|------------|----------------------|----------------|
| Relamine | Category 2 | - | urinary system |

Aspiration hazard

Not available.

Information on likely routes : Not available. of exposure

Potential acute health effects

| Eye contact | : Causes serious eye damage. | | |
|--------------|--|--|--|
| Inhalation | : No known significant effects or critical hazards. | | |
| Skin contact | : 🖉 auses severe burns. May cause an allergic skin reaction. | | |
| Ingestion | : Corrosive to the digestive tract. Causes burns. | | |

Symptoms related to the physical, chemical and toxicological characteristics

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Section 11. Toxicological information

| | • |
|--------------|--|
| Eye contact | : Adverse symptoms may include the following: pain watering redness |
| Inhalation | : Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations |
| Skin contact | : Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations |
| Ingestion | : Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations |

| Delayed and immediate effe | cts | as well as chronic effects from short and long-term exposure |
|-------------------------------|-----|--|
| Short term exposure | | |
| Potential immediate effects | : | Not available. |
| Potential delayed effects | 1 | Not available. |
| Long term exposure | | |
| Potential immediate effects | 1 | Not available. |
| Potential delayed effects | : | Not available. |
| Potential chronic health effe | ect | <u>S</u> |
| General | : | May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity | : | Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. |
| Mutagenicity | : | No known significant effects or critical hazards. |
| Reproductive toxicity | 1 | Suspected of damaging fertility or the unborn child. |

Numerical measures of toxicity

Acute toxicity estimates

| Route | ATE value |
|-------|---------------------------------|
| | 11011.97 mg/kg 8099.32 mg/kg |

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Section 11. Toxicological information

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Other information

Causes digestive tract burns. 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.

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|--|--------------------------|--|----------|
| Atty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and | EC10 1.78 mg/l | Algae | 72 hours |
| triethylenetetramine melamine | Acute EC50 200 mg/l | Daphnia | 48 hours |
| 2,4,6-tris (dimethylaminomethyl)phenol | Acute LC50 175 mg/l | Fish | 96 hours |
| N,N'-ethane-1,2-diylbis (12-hydroxyoctadecan- 1-amide) | Acute EC50 29 to 43 mg/l | Algae - Pseudokirchneriella subcapitata | 72 hours |
| | Acute EC50 94 mg/l | Daphnia - <i>Daphnia magna</i> | 48 hours |

Conclusion/Summary

: There are no data available on the mixture itself.

Persistence/degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|--|------------------|--------------------------|---------------|-------------------------|
| N/N'-ethane-1,2-diylbis (12-hydroxyoctadecan- 1-amide) | - | 63 % - 28 days | - | - |
| Conclusion/Summary | : There are no | data available on the mi | xture itself. | |
| Broduct/ingradiant name | Aquatia half lif | | hotolygig | Biodogradability |

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine | - | - | Not readily |
| N,N'-ethane-1,2-diylbis (12-hydroxyoctadecan- 1-amide) | - | - | Readily |

Bioaccumulative potential

Section 12. Ecological information

| Product/ingredient name | LogPow | BCF | Potential |
|------------------------------|---------------|-----|-----------|
| | • | | |
| melamine | -1.22 | 3.8 | Low |
| 2,4,6-tris | 0.219 | - | Low |
| (dimethylaminomethyl)phenol | | | |
| 3,6-diazaoctanethylenediamin | -1.66 to -1.4 | - | Low |
| N,N'-ethane-1,2-diylbis | >6 | - | High |
| (12-hydroxyoctadecan- | | | Ũ |
| 1-amide) | | | |

Mobility in soil

| Soil/water partition | : Not available. |
|----------------------|------------------|
| coefficient (Koc) | |

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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |

Section 14. Transport information

| | UN | IMDG | ΙΑΤΑ | |
|-----------------------------|--|------------|--|--|
| UN number | UN3066 | UN3066 | UN3066 | |
| UN proper shipping name | PAINT | PAINT | PAINT | |
| Transport hazard class(es) | 8 | 8 | 8 | |
| Packing group | | III | | |
| Environmental hazards | Yes. The environmentally hazardous substance mark is not required. | Yes. | Yes. The environmentally hazardous substance mark is not required. | |
| Marine pollutant substances | nt Not applicable. (Polyamide) Not applicable. | | Not applicable. | |

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Section 14. Transport information

Additional information

| UN | : None identified. |
|------|--|
| IMDG | : The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg. |
| ΙΑΤΑ | The environmentally hazardous substance mark may appear if required by other transportation regulations. |

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

| <u>History</u> | |
|--------------------------------|---|
| Date of issue/Date of revision | : 25 October 2023 |
| Date of previous issue | : 5/22/2021 |
| Version | : 3 |
| Prepared by | : EHS |
| Key to abbreviations | : ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association 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) UN = United Nations |

✓ Indicates information that has changed from previously issued version.

Notice to reader

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

Section 16. Other information

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.