# **SAFETY DATA SHEET**



Date of issue/Date of revision 19 August 2021 Version4

### **Section 1. Identification**

Product code : 00280899

Product name : AMERCOAT 450S HARDENER

Other means of : Not available.

identification

Product type : Liquid.

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

Product use : Coating.

Professional applications, Used by spraying.

Uses advised against : Product is not intended, labelled or packaged for consumer use.

Supplier's details : PT PPG Coatings Indonesia

Jl. Rawagelam III No.1

13930 Jakarta Indonesia

Tel +62 21 4605710 PMC.Safety@PPG.com

**Emergency telephone** 

number

: CHEMTREC 001-803-017-9114 (CCN 17704)

### Section 2. Hazards identification

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 3

ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

SKIN SENSITIZATION - Category 1

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract

irritation) - Category 3

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the

aquatic environment: 36.6%

GHS label elements, including precautionary statements

Hazard pictograms :





Signal word : Warning

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### Section 2. Hazards identification

**Hazard statements** 

: Mammable liquid and vapor.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

May cause respiratory irritation.

#### **Precautionary statements**

**Prevention** 

: Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use nonsparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response

: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**Storage** 

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

**Disposal** 

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

result in classification

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

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

#### **CAS** number/other identifiers

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

| Ingredient name   | %       | CAS number |
|---|---------|------------|
| ⊮examethylene diisocyanate, oligomers (isocyanurate type) | 25- <50 | 28182-81-2 |
| xylene  | 25- <50 | 1330-20-7  |
| 2-methoxy-1-methylethyl acetate                           | 5- <10  | 108-65-6   |
| ethylbenzene  | 5- <10  | 100-41-4   |

There are no 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.

SUB codes represent substances without registered CAS Numbers.

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

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### Section 4. First aid measures

#### Description of necessary first aid measures

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

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

Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is

irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by

trained personnel.

**Skin contact**: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and

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

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

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

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

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

Inhalation : Harmful if inhaled. May cause respiratory irritation.

**Skin contact**: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

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

pain or irritation watering redness

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

respiratory tract irritation

coughing

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

irritation redness dryness cracking

Ingestion : No specific data.

#### 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)

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### Section 5. Fire-fighting measures

### Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

: Use dry chemical, CO2, water spray (fog) or foam.

: Do not use water jet.

Specific hazards arising from the chemical

: Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

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

nitrogen oxides

Cvanate and isocvanate. hydrogen cyanide

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective** equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** 

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** 

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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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 noncombustible, 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.

#### **Special provisions**

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). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

### Section 7. Handling and storage

### Precautions for safe handling

#### **Protective measures**

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. 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.

### Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## including any incompatibilities

Conditions for safe storage, : Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

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### Section 7. Handling and storage

Precautions should be taken to minimize exposure to atmospheric humidity or water.  $CO_2$  will be formed, which, in closed containers, could result in pressurization.

### Section 8. Exposure controls/personal protection

### **Control parameters**

### **Occupational exposure limits**

| Ingredient name | Exposure limits  |
|-----------------|--|
| kýlene          | Minister of Labor of the Republic of Indonesia (Indonesia, 4/2018).  TWA: 434 mg/m³ 8 hours.  TWA: 100 BDS 8 hours.  STEL: 651 mg/m³ 15 minutes.  STEL: 150 BDS 15 minutes.  Ministry of Employment and Labor (Indonesia, 2/1997).  STEL: 651 mg/m³ 15 minutes.  STEL: 150 BDS 15 minutes. |
| ethylbenzene    | Minister of Labor of the Republic of Indonesia (Indonesia, 4/2018).  TWA: 20 BDS 8 hours.  Ministry of Employment and Labor (Indonesia, 2/1997).  STEL: 543 mg/m³ 15 minutes.  STEL: 125 BDS 15 minutes.   |

# Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

# Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

# **Environmental exposure controls**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Skin protection

: Chemical splash goggles.

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### Section 8. Exposure controls/personal 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** butyl rubber

: Personal protective equipment for the body should be selected based on the task **Body protection** 

being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be

selected based on the task being performed and the risks involved and should be

approved by a specialist before handling this product.

Use an air-fed respirator unless a site-specific assessment determines that an air-**Respiratory protection** fed respirator is not necessary, in which case the results of the risk assessment

should be utilized to determine whether respiratory protection is necessary and what type of protection is appropriate. 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.

Persons with a history of asthma, allergies or chronic or recurrent respiratory Restrictions on use

disease should not be employed in any process in which this product is used.

### Section 9. Physical and chemical properties

**Appearance** 

**Physical state** : Liquid. Color : Colorless. Odor : Amine-like. **Odor threshold** : Not available. : Not applicable. pН : Not available. **Melting point** 

**Boiling point** : >37.78°C (>100°F) Flash point : Closed cup: 25°C (77°F)

: Not available. **Evaporation rate** 

properties (solid, gas)

Flammability/Combustible : Not available.

Lower and upper explosive

(flammable) limits

: Greatest known range: Lower: 0.8% Upper: 6.7% (xylene)

: Not available. Vapor pressure : Not available. Vapor density

**Relative density** 

Solubility : Insoluble in the following materials: cold water.

Partition coefficient: n-

octanol/water

: Not applicable.

Auto-ignition temperature : Not available.

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### Section 9. Physical and chemical properties

**Decomposition temperature**: Not available.

Kinematic (40°C): >21 mm<sup>2</sup>/s **Viscosity** 

# 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** : In a fire, hazardous decomposition products may be produced.

: Keep away from: oxidizing agents, strong alkalis, strong acids, amines, alcohols, **Incompatible materials** water. Uncontrolled exothermic reactions occur with amines and alcohols.

**Hazardous decomposition** : Depending on conditions, decomposition products may include the following

materials: Cyanate and isocyanate. carbon oxides nitrogen oxides hydrogen products cyanide

### **Section 11. Toxicological information**

### Information on toxicological effects

### **Acute toxicity**

| Product/ingredient name                                   | Result                | Species      | Dose        | Exposure |
|---|-----------------------|--------------|-------------|----------|
| Fexamethylene diisocyanate, oligomers (isocyanurate type) | LD50 Dermal           | Rabbit       | >2000 mg/kg | -        |
| , , , , , , , , , , , , , , , , , , ,                     | LD50 Oral             | Rat - Female | >2500 mg/kg | -        |
| xylene  | LD50 Dermal           | Rabbit       | 1.7 g/kg    | -        |
|   | LD50 Oral             | Rat          | 4.3 g/kg    | -        |
| 2-methoxy-1-methylethyl acetate                           | LC50 Inhalation Vapor | Rat          | 30 mg/l     | 4 hours  |
|   | LD50 Dermal           | Rabbit       | >5 g/kg     | -        |
|   | LD50 Oral             | Rat          | 6190 mg/kg  | -        |
| ethylbenzene  | LC50 Inhalation Vapor | Rat          | 17.8 mg/l   | 4 hours  |
| _   | LD50 Dermal           | Rabbit       | 17.8 g/kg   | -        |
|   | LD50 Oral             | Rat          | 3.5 g/kg    | -        |

### **Conclusion/Summary Irritation/Corrosion**

**Product/ingredient name** 

: There are no data available on the mixture itself.

**Species** 

Rabbit

Score

**Exposure** 

mg

24 hours 500

**Observation** 

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

Skin - Moderate irritant

Result

**Sensitization** 

xylene

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### **Section 11. Toxicological information**

Conclusion/Summary

Skin : There are no data available on the mixture itself.

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

**Mutagenicity** 

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

**Carcinogenicity** 

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

Reproductive toxicity

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

**Teratogenicity** 

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

Specific target organ toxicity (single exposure)

| Name  | Category   | Route of exposure | Target organs                |
|---|------------|-------------------|------------------------------|
| Fexamethylene diisocyanate, oligomers (isocyanurate type) | Category 3 | -                 | Respiratory tract irritation |
| xylene  | Category 3 | -                 | Respiratory tract irritation |
| 2-methoxy-1-methylethyl acetate                           | Category 3 | -                 | Narcotic effects             |

#### Specific target organ toxicity (repeated exposure)

| Name                 | 3 3 3      | Route of exposure | Target organs  |
|----------------------|------------|-------------------|----------------|
| <b>e</b> thylbenzene | Category 2 | -                 | hearing organs |

#### **Aspiration hazard**

| Name | Result  |
|------|---|
|      | ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 |

Information on the likely

routes of exposure

: Not available.

Potential acute health effects

**Eye contact** : Causes serious eye irritation.

Inhalation : Marmful if inhaled. May cause respiratory irritation.

**Skin contact**: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

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

### Symptoms related to the physical, chemical and toxicological characteristics

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

pain or irritation watering redness

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

respiratory tract irritation

coughing

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### Section 11. Toxicological information

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

irritation redness dryness cracking

**Ingestion**: No specific data.

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

**Short term exposure** 

**Potential immediate** 

: There are no data available on the mixture itself.

effects

**Potential delayed effects**: There are no data available on the mixture itself.

**Long term exposure** 

**Potential immediate**: There are no data available on the mixture itself.

effects

Potential delayed effects : There are no data available on the mixture itself.

Potential chronic health effects

General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/

or dermatitis. Once sensitized, a severe allergic reaction may occur when

subsequently exposed to very low levels.

Carcinogenicity : 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                   |
|---|-----------------------------|
| of the state of t | 4640.37 mg/kg<br>27.07 mg/l |
| Inhalation (dusts and mists)  | 1.63 mg/l                   |

#### Other information

Frolonged or repeated contact may dry skin and cause irritation. 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. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Repeated exposure may lead to permanent respiratory disability. Moisture-sensitive material. Avoid contact with skin and clothing.

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# Section 12. Ecological information

### **Toxicity**

| Product/ingredient name                                   | Result  | Species  | Exposure             |
|---|---|--|----------------------|
| ✓examethylene diisocyanate, oligomers (isocyanurate type) |   | Algae - scenedesmus subspicatus                            | 72 hours             |
|   | Acute EC50 >100 mg/l<br>Acute LC50 >100 mg/l                    | Daphnia - daphnia magna<br>Fish - Danio rerio (zebra fish) | 48 hours<br>96 hours |
| 2-methoxy-1-methylethyl acetate                           | Acute LC50 134 mg/l Fresh water                                 | Fish - Oncorhynchus mykiss                                 | 96 hours             |
| ethylbenzene  | Acute EC50 1.8 mg/l Fresh water Chronic NOEC 1 mg/l Fresh water | Daphnia<br>Daphnia - Ceriodaphnia dubia                    | 48 hours<br>-        |

### Persistence/degradability

Not available.

| Product/ingredient name         | Test              | Result              |            | Dose | Inoculum         |
|---------------------------------|-------------------|---------------------|------------|------|------------------|
| 2-methoxy-1-methylethyl acetate | -                 | 83 % - Readily - 28 | days       | -    | -                |
| ethylbenzene                    | -                 | 79 % - Readily - 10 | days       | -    | -                |
| Product/ingredient name         | Aquatic half-life | )                   | Photolysis | S    | Biodegradability |
| 11                              | İ                 |                     |            |      | N1 - 4 121       |

| Product/ingredient name       | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------------|-------------------|------------|------------------|
| ⊮examethylene diisocyanate,   | -                 | -          | Not readily      |
| oligomers (isocyanurate type) |                   |            |                  |
| xylene                        | -                 | -          | Readily          |
| 2-methoxy-1-methylethyl       | -                 | -          | Readily          |
| acetate                       |                   |            |                  |
| ethylbenzene                  | -                 | -          | Readily          |

### **Bioaccumulative potential**

| Product/ingredient name                                   | LogPow      | BCF              | Potential  |
|---|-------------|------------------|------------|
| Hexamethylene diisocyanate, oligomers (isocyanurate type) |             | 3.2              | low        |
| xylene<br>2-methoxy-1-methylethyl<br>acetate              | 3.12<br>1.2 | 7.4 to 18.5<br>- | low<br>low |
| ethylbenzene  | 3.6         | 79.43            | low        |

### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects : No known significant effects or critical hazards.

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### Section 13. Disposal considerations

### **Disposal methods**

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: 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 nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

|                             | UN              | IMDG            | IATA            |
|-----------------------------|-----------------|-----------------|-----------------|
| UN number                   | UN1263          | UN1263          | UN1263          |
| UN proper shipping name     | PAINT           | PAINT           | PAINT           |
| Transport hazard class(es)  | 3               | 3               | 3               |
| Packing group               | III             | III             | III             |
| Environmental hazards       | No.             | No.             | No.             |
| Marine pollutant substances | Not applicable. | Not applicable. | Not applicable. |

#### **Additional information**

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

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

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**Product name AMERCOAT 450S HARDENER** 

### Section 15. Regulatory information

Safety, health and environmental regulations specific for the product

: No known specific national and/or regional regulations applicable to this product (including its ingredients).

Law No. 74/2001 - Banned

None of the components are listed.

#### Law No. 74/2001 - Restricted

None of the components are listed.

Law No. 74/2001 - : Not determined

Chemicals that may be used

**International regulations** 

**Montreal Protocol** 

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Section 16. Other information

**History** 

Date of issue/Date of : 19 August 2021

revision

Date of previous issue : 12/20/2018

Version : 4
Prepared by : EHS

**Key to abbreviations** : ADN = European Provisions concerning the International Carriage of Dangerous

Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of

Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = 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)

RID = The Regulations concerning the International Carriage of Dangerous Goods

by Rail

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.

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