# SAFETY DATA SHEET

AMERCOAT 138G DK GRAY TYPE I/II/IV KIT



#### Date of issue 12 June 2024

Version 19

## 1. Product and company identification

| Product name                     | : AMERCOAT 138G DK GRAY TYPE I/II/IV KIT   |
|----------------------------------|--|
| Product code                     | : 00333924   |
| Product type                     | : Liquid.  |
| Relevant identified uses         | of the substance or mixture and uses advised against   |
| Product use                      | : Industrial applications, Used by spraying.   |
| Use of the substance/<br>mixture | : Coating.   |
| Uses advised against             | : Not applicable.  |
| Supplier's details               | : PPG PMC Japan Co., Ltd., 8F, Shintetsu Bldg., 1-1, Daikaidori 1-chome, Kobe 652-0803 Japan; Tel: +81-78-574-2777 |

Emergency telephone : 078 574 2777 number

# 2. Hazards identification

|                    | <ul> <li>FLAMMABLE LIQUIDS - Category 3<br/>SKIN IRRITATION - Category 2<br/>EYE IRRITATION - Category 2A<br/>SKIN SENSITIZATION - Category 1<br/>CARCINOGENICITY - Category 1A<br/>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2<br/>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract<br/>irritation) - Category 3<br/>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1<br/>HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Category 3<br/>HAZARDOUS TO THE AQUATIC ENVIRONMENT - CHRONIC HAZARD -<br/>Category 3</li> </ul> |
|--------------------|---|
| GHS label elements |   |
| Hazard pictograms  |   |
|                    |   |
| Signal word        | : Danger  |

| Product code 00333924<br>Product name AMERCOAT 13 | 380 | Date of issue 12 June 2024 Version 19<br>G DK GRAY TYPE I/II/IV KIT   |
|---|-----|---|
| 2. Hazards identifi                               | Cá  | ation   |
|   |     | nervous system (CNS), lungs, respiratory organs)<br>Harmful to aquatic life with long lasting effects.  |
| Precautionary statements                          |     |   |
| Prevention  | :   | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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 only outdoors or in a well-ventilated area. Avoid release to the environment. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.   |
| Response  | :   | IF exposed or concerned: Call a POISON CENTER or doctor. IF INHALED:<br>Remove person to fresh air and keep comfortable for breathing. Call a POISON<br>CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all<br>contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of<br>water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES:<br>Rinse cautiously with water for several minutes. Remove contact lenses, if present<br>and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or<br>attention. |
| Storage   | :   | Store locked up. Store in a well-ventilated place. Keep container tightly closed.   |
| Disposal  | :   | Dispose of contents and container in accordance with all local, regional, national and international regulations.   |
| Other hazards which do not                        | ;   | Prolonged or repeated contact may dry skin and cause irritation.  |

# 3. Composition/information on ingredients

Substance/mixture

: Mixture

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

| CAS number      | : Not applicable. |
|-----------------|-------------------|
| CSCL number     | : Not available.  |
| Ingradiant name |                   |

| Ingredient name                                    | %          | CAS number  | CSCL           |
|--|------------|-------------|----------------|
| Muminium oxide                                     | 25 - <50   | 1344-28-1   | 1-23           |
| bis-[4-(2,3-epoxipropoxi)phenyl]propane            | 7 - <10    | 1675-54-3   | 4-209; 7-1279; |
|  |            |             | 7-1283         |
| Amorphous silica (silica gel, precipitated silica) | 5 - <7     | 112926-00-8 | 1-548          |
| Magnesium oxide                                    | 3 - <5     | 1309-48-4   | 1-465          |
| Solvent naphtha (petroleum), light aromatic        | 3 - <5     | 64742-95-6  | Not available. |
| Diiron trioxide                                    | 2 - <3     | 1309-37-1   | 1-357; 5-5188  |
| 1,2,4-Trimethylbenzene                             | 1 - <2     | 95-63-6     | 3-3427; 3-7    |
| oxirane, mono[(C12-14-alkyloxy)methyl] derivs      | 1 - <2     | 68609-97-2  | 2-2426         |
| Titanium dioxide (excluding nanoparticle)          | 1 - <2     | 13463-67-7  | 1-558; 5-5225  |
| Butyl acetate                                      | 1 - <2     | 123-86-4    | 2-731          |
| Silica gel   | 1 - <2     | 63231-67-4  | 1-548          |
| benzyl alcohol                                     | 0.5 - <1   | 100-51-6    | 3-1011         |
| Isophoronediamine                                  | 0.5 - <1   | 2855-13-2   | 3-2286         |
| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-       | 0.2 - <0.5 | 123-26-2    | 2-2720         |
| 1-amide)   |            |             |                |
| carbon black                                       | 0.2 - <0.5 | 1333-86-4   | 5-3328; 5-5222 |
| 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine        | 0.2 - <0.5 | 25513-64-8  | 2-154; 2-3719  |
| Xylene   | 0.1 - <0.2 | 1330-20-7   | 3-3; 3-60      |
| Silica   | 0.1 - <0.2 | 7631-86-9   | 1-548          |
| Methanol   | 0.1 - <0.2 | 67-56-1     | 2-201          |
| Nickel   | <0.1       | 7440-02-0   | Not available. |
|  |            | Jap         | an Page: 2/17  |

Product code 00333924

Product name AMERCOAT 138G DK GRAY TYPE I/II/IV KIT

### **3.** Composition/information on ingredients

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.

### 4. First aid measures

| Description of necess | ary 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          | <ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and<br/>water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>   |
| Ingestion             | <ul> <li>If swallowed, seek medical advice immediately and show this container or label.</li> <li>Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>   |

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

| MOSt important symptoms/e       | nects, acute and delayed  |
|---------------------------------|---|
| Potential acute health effe     | <u>ts</u>   |
| Eye contact                     | : Causes serious eye irritation.  |
| Inhalation                      | : May cause respiratory irritation.   |
| Skin contact                    | : May cause damage to organs following a single exposure in contact with skin.<br>Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.   |
| Ingestion                       | : May cause damage to organs following a single exposure if swallowed.  |
| <u>Over-exposure signs/symp</u> | toms  |
| 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      | ical attention and special treatment needed, if necessary   |
| Notes to physician              | : In case of inhalation of decomposition products in a fire, symptoms may be delayed.<br>The exposed person may need to be kept under medical surveillance for 48 hours.  |
| Specific treatments             | : No specific treatment.  |
| Protection of first-aiders      | : No action shall be taken involving any personal risk or without suitable training. If 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)

5. Fire-fighting measures

| Extinguishing media                            |   |
|--|---|
| Suitable extinguishing media                   | : Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.  |
| Unsuitable extinguishing media                 | : Do not use water jet.   |
| Specific hazards arising from the chemical     | : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful 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:<br>carbon oxides<br>nitrogen oxides<br>halogenated compounds<br>metal oxide/oxides  |
| Special protective actions for fire-fighters   | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.  |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |

### 6. Accidental release measures

Methods and materials for containment and cleaning up

#### Personal precautions, protective equipment and emergency procedures

| For non-emergency<br>personnel | : No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilled material. Shut off all ignition sources.<br>No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide<br>adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put<br>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<br>and sewers. Inform the relevant authorities if the product has caused environmental<br>pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to<br>the environment if released in large quantities.   |

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

### 6. Accidental release measures

#### Large spill : Stop leak if with explosion-proof sewers, water of

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. Handling and storage

Precautions for safe handling

: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage : Do not store above the following temperature: 50°C (122°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.

## 8. Exposure controls/personal protection

#### Control parameters

#### **Occupational exposure limits**

| Ingredient name | Exposure limits   |
|-----------------|---|
| Auminium oxide  | Japan Society for Occupational Health<br>(Japan, 5/2023). [Class 1 dusts (Activated<br>charcoal, Alumina, Aluminium, Bentonite,<br>Diatomite, Graphite, Kaolinite, Pagodite,<br>Pyrites, Pyrite cinder)]<br>OEL-M: 0.5 mg/m <sup>3</sup> 8 hours. Form:<br>Respirable dust (Class 1 Dust)<br>OEL-M: 2 mg/m <sup>3</sup> 8 hours. Form: Total dust<br>(Class 1 Dust) |
| Diiron trioxide | Japan Society for Occupational Health<br>(Japan, 5/2023). [Class 2 dusts (Bakelite<br>(asbestos-free, technical grade), Carbon<br>black, Coal, Cork dust, Cotton dust, Iron<br>oxide, Grain dust, Joss stick material<br>dust, Marble, Portland cement, Zinc  |
|                 | Japan Page: 5/17  |

# 8. Exposure controls/personal protection

|  | oxide)]   |
|--|---|
|  | OEL-M: 1 mg/m <sup>3</sup> 8 hours. Form: Respirable            |
|  | dust (Class 2 Dust)   |
|  | OEL-M: 4 mg/m <sup>3</sup> 8 hours. Form: Total dust            |
|  | (Class 2 Dust)  |
| 1,2,4-Trimethylbenzene   | Japan Society for Occupational Health                           |
|  | (Japan, 5/2023).  |
|  | OEL-M: 120 mg/m <sup>3</sup> 8 hours.<br>OEL-M: 25 ppm 8 hours. |
| Titanium dioxide (excluding nanoparticle)                            | Japan Society for Occupational Health                           |
|  | (Japan, 5/2023). [titanium dioxide]                             |
|  | OEL-M: 1.5 mg/m <sup>3</sup> , (as Ti) 8 hours. Form:           |
|  | Respirable particulate matter                                   |
|  | OEL-M: 2 mg/m <sup>3</sup> , (as Ti) 8 hours. Form:             |
|  | Total particulate matter  |
|  | Japan Society for Occupational Health                           |
|  | (Japan, 5/2023). [titanium dioxide<br>(nanoparticle)]           |
|  | OEL-M: 0.3 mg/m <sup>3</sup> 8 hours. Form:                     |
|  | nanoparticle  |
| Butyl acetate  | Japan Society for Occupational Health                           |
|  | (Japan, 5/2023).  |
|  | OEL-M: $475 \text{ mg/m}^3 8 \text{ hours.}$                    |
|  | OEL-M: 100 ppm 8 hours.   |
|  | Industrial Safety and Health Act (Japan,                        |
|  | 6/2020).  |
|  | TWA: 150 ppm 8 hours.   |
| benzyl alcohol   | Japan Society for Occupational Health                           |
|  | (Japan, 5/2023). Skin sensitizer.                               |
|  | OEL-C: 25 mg/m <sup>3</sup>                                     |
| Xylene   | Industrial Safety and Health Act (Japan,                        |
|  | 6/2020). [xylene]   |
|  | TWA: 50 ppm 8 hours.  |
|  | Japan Society for Occupational Health                           |
|  | (Japan, 5/2023).  |
|  | OEL-M: 50 ppm 8 hours.<br>OEL-M: 217 mg/m <sup>3</sup> 8 hours. |
| Methanol   | Japan Society for Occupational Health                           |
|  | (Japan, 5/2023). Absorbed through skin.                         |
|  | OEL-M: 260 mg/m <sup>3</sup> 8 hours.                           |
|  | OEL-M: 200 ppm 8 hours.   |
|  | Industrial Safety and Health Act (Japan,                        |
|  | 6/2020).  |
|  | TWA: 200 ppm 8 hours.   |
| Nickel   | Japan Society for Occupational Health                           |
|  | (Japan, 5/2023). Skin sensitizer.                               |
|  | Inhalation sensitizer.  |
|  | OEL-M: 1 mg/m <sup>3</sup> 8 hours.                             |
|  | Technical Guideline Concerning the                              |
|  | Applications, etc. of Concentration                             |
|  | Standard for Preventing Health Hazards                          |
|  | (Japan, 4/2023).<br>TWA: 1 mg/m <sup>3</sup> 8 hours.           |
|  | TWA. THIY/HT O HOUIS.   |
| <b>Recommended monitoring</b> : Reference should be made to appropri | ate monitoring standards. Reference to                          |

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         | : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation   |
|---------------------------------|---|
| controls                        | or other engineering controls to keep worker exposure to airborne contaminants<br>below any recommended or statutory limits. The engineering controls also need to<br>keep gas, vapor or dust concentrations below any lower explosive limits. Use<br>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 equipment<br>will be necessary to reduce emissions to acceptable levels.   |
| Individual protection meas      | <u>ures</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>Contaminated work clothing should not be allowed out of the workplace. Wash<br>contaminated clothing before reusing. Ensure that eyewash stations and safety<br>showers are close to the workstation location.   |
| Eye 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                          | : butyl rubber  |
| Body protection                 | : Personal protective equipment for the body should be selected based on the task<br>being performed and the risks involved and should be approved by a specialist<br>before handling this product. When there is a risk of ignition from static electricity,<br>wear anti-static protective clothing. For the greatest protection from static<br>discharges, clothing should include anti-static overalls, boots and gloves.   |
| Other skin protection           | : 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.   |
| 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.  |

# 9. Physical and chemical properties

| Appearance       |                            |
|------------------|----------------------------|
| Physical state   | : Liquid.                  |
| Color            | : Gray.                    |
| Odor             | : Characteristic.          |
| Boiling point    | : >37.78°C (>100°F)        |
| Flash point      | : Closed cup: 40°C (104°F) |
| Evaporation rate | : 0.41 (butyl acetate = 1) |
| Vapor pressure   | : 1.7 kPa (12.5 mm Hg)     |

## 9. Physical and chemical properties

| Relative density : | 1.95       |             |
|--------------------|------------|-------------|
| Solubility(ies) :  | Media      | Result      |
| Solubility(les) .  | cold water | Not soluble |
|                    |            |             |

| 10. Stability and r                | eactivity  |
|------------------------------------|--|
| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.   |
| Chemical stability                 | : The product is stable.   |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.  |
| Conditions to avoid                | : When exposed to high temperatures may produce hazardous decomposition products.  |
| Incompatible materials             | : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.                               |
| Hazardous decomposition products   | : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds metal oxide/ oxides |

## **11. Toxicological information**

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                            | Result                          | Species | Dose                    | Exposure  |
|--|---------------------------------|---------|-------------------------|-----------|
| Auminium oxide                                     | LC50 Inhalation Dusts and mists | Rat     | 7.6 mg/l                | 4 hours   |
|  | LD50 Oral                       | Rat     | >15900 mg/kg            | -         |
| bis-[4-(2,3-epoxipropoxi)                          | LD50 Dermal                     | Rabbit  | 23000 mg/kg             | -         |
| phenyl]propane                                     |                                 |         |                         |           |
|  | LD50 Oral                       | Rat     | 15000 mg/kg             | -         |
| Amorphous silica (silica gel, precipitated silica) | LD50 Dermal                     | Rabbit  | >5000 mg/kg             | -         |
|  | LD50 Oral                       | Rat     | >5000 mg/kg             | -         |
| Solvent naphtha (petroleum), light aromatic        | LD50 Dermal                     | Rabbit  | 3.48 g/kg               | -         |
| 0  | LD50 Oral                       | Rat     | 8400 mg/kg              | -         |
| Diiron trioxide                                    | LC50 Inhalation Dusts and mists | Rat     | >5 mg/l                 | 4 hours   |
|  | LD50 Oral                       | Rat     | 10 g/kg                 | -         |
| 1,2,4-Trimethylbenzene                             | LC50 Inhalation Vapor           | Rat     | 18000 mg/m <sup>3</sup> | 4 hours   |
| •  | LD50 Oral                       | Rat     | 5 g/kg                  | -         |
| oxirane, mono[                                     | LD50 Oral                       | Rat     | 17100 mg/kg             | -         |
| (C12-14-alkyloxy)methyl]<br>derivs                 |                                 |         |                         |           |
| Titanium dioxide (excluding nanoparticle)          | LC50 Inhalation Dusts and mists | Rat     | >6.82 mg/l              | 4 hours   |
| . ,  | LD50 Dermal                     | Rabbit  | >5000 mg/kg             | -         |
|  | LD50 Oral                       | Rat     | >5000 mg/kg             | -         |
| Butyl acetate                                      | LC50 Inhalation Vapor           | Rat     | >21.1 mg/l              | 4 hours   |
| -  | LC50 Inhalation Vapor           | Rat     | 2000 ppm                | 4 hours   |
|  | LD50 Dermal                     | Rabbit  | >17600 mg/kg            | -         |
|  | -                               | -       | Japan                   | Page: 8/1 |

| roduct code 00333924   |                                 | Date of issue 12 June 2024 |                         | Version 19 |  |
|--|---------------------------------|----------------------------|-------------------------|------------|--|
| roduct name AMERCOAT   | 138G DK GRAY TYPE I/II/IV KIT   |                            |                         |            |  |
| 1. Toxicological   | information                     |                            |                         |            |  |
|  | LD50 Oral                       | Rat                        | 10.768 g/kg             | -          |  |
| Silica gel   | LD50 Oral                       | Rat                        | 31.6 g/kg               | -          |  |
| benzyl alcohol   | LC50 Inhalation Dusts and mists | Rat                        | >4178 mg/m <sup>3</sup> | 4 hours    |  |
|  | LD50 Dermal                     | Rabbit                     | 2000 mg/kg              | -          |  |
|  | LD50 Oral                       | Rat                        | 1.23 g/kg               | -          |  |
| Isophoronediamine  | LC50 Inhalation Dusts and mists | Rat                        | >5.01 mg/l              | 4 hours    |  |
|  | LD50 Dermal                     | Rat                        | >2000 mg/kg             | -          |  |
|  | LD50 Oral                       | Rat                        | 1030 mg/kg              | -          |  |
| N,N'-ethane-1,2-diylbis<br>(12-hydroxyoctadecan-<br>1-amide) | LC50 Inhalation Dusts and mists | Rat                        | >5.11 mg/l              | 4 hours    |  |
|  | LD50 Dermal                     | Rat                        | >2000 mg/kg             | -          |  |
|  | LD50 Oral                       | Rat                        | >2000 mg/kg             | -          |  |
| carbon black   | LD50 Oral                       | Rat                        | >10 g/kg                | -          |  |
| 2,2,4(or 2,4,4)-   | LD50 Oral                       | Rat                        | 910 mg/kg               | -          |  |
| trimethylhexane-1,6-diamin                                   |                                 |                            |                         |            |  |
| Xylene   | LD50 Dermal                     | Rabbit                     | 1.7 g/kg                | -          |  |
| 2  | LD50 Oral                       | Rat                        | 4.3 g/kg                | -          |  |
| Silica   | LD50 Dermal                     | Rabbit                     | >5000 mg/kg             | -          |  |
|  | LD50 Oral                       | Rat - Male,                | >5000 mg/kg             | -          |  |
|  | -                               | Female                     | J. 13                   |            |  |
| Methanol   | LC50 Inhalation Vapor           | Rat                        | 64000 ppm               | 4 hours    |  |
|  | LD50 Dermal                     | Rabbit                     | 15800 mg/kg             | -          |  |
|  | LD50 Oral                       | Rat                        | 5600 mg/kg              | -          |  |

### Irritation/Corrosion

| Product/ingredient name                         | Result   | Species | Score | Exposure           | Observation |
|---|--|---------|-------|--------------------|-------------|
| ቓis-[4-(2,3-epoxipropoxi)<br>phenyl]propane     | Eyes - Mild irritant                             | Rabbit  | -     | 24 hours           | -           |
|   | Eyes - Redness of the conjunctivae               | Rabbit  | 0.4   | 24 hours           | -           |
|   | Skin - Edema                                     | Rabbit  | 0.5   | 4 hours            | -           |
|   | Skin - Erythema/Eschar                           | Rabbit  | 0.8   | 4 hours            | -           |
|   | Skin - Mild irritant                             | Rabbit  | -     | 4 hours            | -           |
| 2,2,4(or 2,4,4)-<br>trimethylhexane-1,6-diamine | Skin - Primary dermal<br>irritation index (PDII) | Rabbit  | 8     | -                  | -           |
| Xylene  | Skin - Moderate irritant                         | Rabbit  | -     | 24 hours 500<br>mg | -           |

### **Sensitization**

| Product/ingredient name                              | Route of exposure | Species    | Result      |
|--|-------------------|------------|-------------|
| pis-[4-(2,3-epoxipropoxi)<br>phenyl]propane          | skin              | Mouse      | Sensitizing |
| oxirane, mono[<br>(C12-14-alkyloxy)methyl]<br>derivs | skin              | Guinea pig | Sensitizing |
| Isophoronediamine                                    | skin              | Guinea pig | Sensitizing |
| 2,2,4(or 2,4,4)-<br>trimethylhexane-1,6-diamine      | skin              | Guinea pig | Sensitizing |

### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

### Reproductive toxicity

## **11. Toxicological information**

#### Not available.

### **Teratogenicity**

Not available.

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

| Name   | Category                 | Route of exposure | Target organs                    |
|--|--------------------------|-------------------|----------------------------------|
| Auminium oxide                                     | Category 3               | -                 | Respiratory tract                |
|  |                          |                   | irritation                       |
| Amorphous silica (silica gel, precipitated silica) | Category 3               | -                 | Respiratory tract                |
|  |                          |                   | irritation                       |
| Magnesium oxide                                    | Category 3               | -                 | Respiratory tract                |
|  |                          |                   | irritation                       |
| Solvent naphtha (petroleum), light aromatic        | Category 3               | -                 | Narcotic effects                 |
| Diiron trioxide                                    | Category 1               | -                 | respiratory organs               |
| 1,2,4-Trimethylbenzene                             | Category 3               | -                 | Respiratory tract<br>irritation  |
|  | Catagony 2               |                   | Narcotic effects                 |
| Putul apotato                                      | Category 3<br>Category 3 |                   | Respiratory tract                |
| Butyl acetate                                      | Calegory 5               | -                 | irritation                       |
|  | Category 3               |                   | Narcotic effects                 |
| benzyl alcohol                                     | Category 1               | _                 | central nervous                  |
|  | outogory i               |                   | system (CNS),                    |
|  |                          |                   | kidneys                          |
|  | Category 3               |                   | Narcotic effects                 |
| Xylene   | Category 1               | -                 | central nervous                  |
|  |                          |                   | system (CNS),                    |
|  |                          |                   | kidneys, liver,                  |
|  |                          |                   | respiratory organs               |
|  | Category 3               |                   | Narcotic effects                 |
| Silica   | Category 3               | -                 | Respiratory tract                |
|  |                          |                   | irritation                       |
| Methanol   | Category 1               | -                 | central nervous                  |
|  |                          |                   | system (CNS),                    |
|  |                          |                   | systemic toxicity,               |
|  | Category 3               |                   | visual organ<br>Narcotic effects |
| Nickel   | Category 1               |                   | kidneys,                         |
|  |                          |                   | respiratory organs               |
|  |                          | 1                 | respiratory organs               |

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

| Name                                      | Category   | Route of exposure | Target organs  |
|---|------------|-------------------|--|
| Kuminium oxide                            | Category 1 | -                 | lungs  |
| Diiron trioxide                           | Category 1 | -                 | respiratory organs                                     |
| 1,2,4-Trimethylbenzene                    | Category 1 | -                 | central nervous<br>system (CNS),<br>respiratory organs |
| Titanium dioxide (excluding nanoparticle) | Category 1 | -                 | respiratory organs                                     |
| benzyl alcohol                            | Category 1 | -                 | central nervous<br>system (CNS)                        |
| Isophoronediamine                         | Category 2 | -                 | respiratory system                                     |
| carbon black                              | Category 1 | -                 | respiratory organs                                     |
| Xylene                                    | Category 1 | -                 | nervous system,<br>respiratory organs                  |
| Silica                                    | Category 1 | -                 | immune system,<br>kidneys,                             |
|   |            | Ja                | apan Page: 10/1  |

| Product code 00333924   |  | Date of                  | issue 12 June 2024   | Version 19   |  |
|---|--|--------------------------|--|--|--|
| Product name AMERCOAT 1   | 38G DK GRAY TYPE I/  |                          |  |  |  |
| 11. Toxicological i   | information  |                          |  |  |  |
| Methanol  |  | Category 1               | -  | respiratory organs<br>central nervous<br>system (CNS),<br>visual organ |  |
| Nickel  |  | Category 1               | -  | respiratory organs   |  |
| Aspiration hazard   |  |                          | 1  |  |  |
| Name  |  |                          | Result   |  |  |
| Solvent naphtha (petroleum)<br>1,2,4-Trimethylbenzene<br>Xylene | , light aromatic   |                          | ASPIRATION HAZAR<br>ASPIRATION HAZAR<br>ASPIRATION HAZAR                       | D - Category 1   |  |
| Information on the likely routes of exposure                    | : Not available.   |                          |  |  |  |
| Potential acute health effec                                    | <u>ts</u>  |                          |  |  |  |
| Eye contact   | : Causes serious eye   | e irritation.            |  |  |  |
| Inhalation  | : May cause respirate  | ory irritation.          |  |  |  |
| Skin contact  |  |                          | a single exposure in co<br>skin. May cause an allo                             |  |  |
| Ingestion   | : May cause damage   | e to organs following    | a single exposure if sw  | vallowed.  |  |
| Symptoms related to the ph                                      | nysical, chemical and t  | toxicological chara      | <u>cteristics</u>  |  |  |
| Eye contact   | : Adverse symptoms<br>pain or irritation<br>watering<br>redness    | watering                 |  |  |  |
| Inhalation  | : Adverse symptoms<br>respiratory tract irrit<br>coughing          |                          | owing:   |  |  |
| Skin contact  | : Adverse symptoms<br>irritation<br>redness<br>dryness<br>cracking | may include the foll     | owing:   |  |  |
| Ingestion   | : No specific data.  |                          |  |  |  |
| Delayed and immediate effect                                    | ts and also chronic ef   | ffects from short a      | nd long term exposur   | <u>e</u>   |  |
| Short term exposure   |  |                          |  |  |  |
| Potential immediate<br>effects                                  | : Not available.   |                          |  |  |  |
| Potential delayed effects                                       | : Not available.   |                          |  |  |  |
| Long term exposure  |  |                          |  |  |  |
| Potential immediate<br>effects                                  | : Not available.   |                          |  |  |  |
| Potential delayed effects                                       | : Not available.   |                          |  |  |  |
| Potential chronic health eff                                    | <u>ects</u>  |                          |  |  |  |
| General   | repeated contact ca  | an defat the skin and    | onged or repeated exp<br>I lead to irritation, crack<br>tion may occur when su | ing and/or dermatitis.   |  |
| Carcinogenicity   | : May cause cancer.  | Risk of cancer dep       | ends on duration and le  | evel of exposure.  |  |
| Mutagenicity  | : No known significar  | nt effects or critical h | nazards.   |  |  |
|   |  |                          | Japa   | an Page: 11/17   |  |

## 11. Toxicological information

**Reproductive toxicity** 

: No known significant effects or critical hazards.

#### Numerical measures of toxicity

#### Acute toxicity estimates

| Product/ingredient name                                  | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapors)<br>(mg/l) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|--|------------------|-------------------|--------------------------------|----------------------------------|--|
| MERCOAT 138G DK GRAY TYPE I/II/IV KIT                    | N/A              | 59543.4           | N/A                            | 907.9                            | N/A  |
| Aluminium oxide  | N/A              | N/A               | N/A                            | N/A                              | 7.6  |
| bis-[4-(2,3-epoxipropoxi)phenyl]propane                  | 15000            | 23000             | N/A                            | N/A                              | N/A  |
| Solvent naphtha (petroleum), light aromatic              | 8400             | 3480              | N/A                            | N/A                              | N/A  |
| Diiron trioxide  | 10000            | N/A               | N/A                            | N/A                              | N/A  |
| 1,2,4-Trimethylbenzene                                   | 5000             | N/A               | N/A                            | 18                               | N/A  |
| oxirane, mono[(C12-14-alkyloxy)methyl] derivs            | 17100            | N/A               | N/A                            | N/A                              | N/A  |
| Butyl acetate  | 10768            | N/A               | N/A                            | N/A                              | N/A  |
| Silica gel   | 31600            | N/A               | N/A                            | N/A                              | N/A  |
| benzyl alcohol   | 1230             | 2000              | N/A                            | N/A                              | N/A  |
| Isophoronediamine  | 1030             | 2500              | N/A                            | N/A                              | N/A  |
| N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-<br>1-amide) | 2500             | 2500              | N/A                            | N/A                              | N/A  |
| 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine              | 910              | N/A               | N/A                            | N/A                              | N/A  |
| Xylene   | 4300             | 1700              | N/A                            | 11                               | N/A  |
| Methanol   | 500              | 15800             | 64000                          | N/A                              | N/A  |

#### Other information

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

## 12. Ecological information

#### **Toxicity**

| Product/ingredient name                              | Result                            | Species                        | Exposure           |
|--|-----------------------------------|--------------------------------|--------------------|
| Muminium oxide                                       | Acute LC50 >100 mg/l              | Fish                           | 96 hours           |
| bis-[4-(2,3-epoxipropoxi)<br>phenyl]propane          | Acute LC50 1.8 mg/l Fresh water   | Daphnia - <i>daphnia magna</i> | 48 hours           |
|  | Chronic NOEC 0.3 mg/l             | Daphnia                        | 21 days            |
| Amorphous silica (silica gel, precipitated silica)   | NOEC >1000 ppm                    | Daphnia - <i>Daphnia magna</i> | 24 hours           |
| . ,  | Acute NOEC >10000 ppm Fresh water | Fish                           | 96 hours<br>Static |
|  | Acute NOEC >10000 ppm             | Fish - Brachydanio rerio       | 4 days<br>Static   |
| Solvent naphtha (petroleum),<br>light aromatic       | Acute LC50 8.2 mg/l               | Fish                           | 96 hours           |
| Diiron trioxide                                      | Acute EC50 >100 mg/l              | Daphnia                        | 48 hours           |
| oxirane, mono[<br>(C12-14-alkyloxy)methyl]<br>derivs | LC50 >100 mg/l                    | Fish                           | 96 hours           |
| Titanium dioxide (excluding nanoparticle)            | Acute LC50 >100 mg/l Fresh water  | Daphnia - <i>Daphnia magna</i> | 48 hours           |
| Butyl acetate  | Acute LC50 18 mg/l                | Fish                           | 96 hours           |
| N,N'-ethane-1,2-diylbis                              | Acute EC50 29 to 43 mg/l          | Algae - Pseudokirchneriella    | 72 hours           |
|  |                                   | Japan                          | Page: 12/1         |

## 12. Ecological information

| (12-hydroxyoctadecan-<br>1-amide) |                                    | subcapitata                    |          |
|-----------------------------------|------------------------------------|--------------------------------|----------|
| ,                                 | Acute EC50 94 mg/l                 | Daphnia - <i>Daphnia magna</i> | 48 hours |
| 2,2,4(or 2,4,4)-                  | NOEC 16 mg/l                       | Algae - pseudokirchneriella    | 72 hours |
| trimethylhexane-1,6-diamine       |                                    | subcapitata                    |          |
| -                                 | Acute EC50 29.5 mg/l               | Algae - Scenedesmus            | 72 hours |
|                                   |                                    | subspicatus                    |          |
| Silica                            | Acute EC50 2.2 g/L Fresh water     | Daphnia - Daphnia magna -      | 48 hours |
|                                   | _                                  | Neonate                        |          |
|                                   | Acute LC50 >10000 mg/l             | Fish                           | 96 hours |
|                                   | Chronic NOEC 12.5 mg/l Fresh water | Daphnia - Daphnia magna -      | 21 days  |
|                                   |                                    | Neonate                        |          |
| Methanol                          | Acute LC50 13 mg/l Fresh water     | Fish                           | 96 hours |
| Nickel                            | Chronic EC10 6.9 µg/l              | Daphnia - Daphnia magna -      | 21 days  |
|                                   |                                    | Neonate                        |          |

#### Persistence/degradability

| Product/ingredient name   | Test                       | Result                    |                         | Dose | Inoculum  |
|---|----------------------------|---------------------------|-------------------------|------|---|
| Butyl acetate<br>N,N'-ethane-1,2-diylbis<br>(12-hydroxyoctadecan-<br>1-amide)   | TEPA and<br>OECD 301D<br>- | 83 % - Rea<br>63 % - 28 c | idily - 28 days<br>days | -    | -   |
| Product/ingredient name   | Aquatic half-life          |                           | Photolysis              |      | Biodegradability  |
| bis-[4-(2,3-epoxipropoxi)<br>phenyl]propane<br>Amorphous silica (silica gel,<br>precipitated silica)<br>Butyl acetate<br>benzyl alcohol<br>N,N'-ethane-1,2-diylbis<br>(12-hydroxyoctadecan-<br>1-amide) | -<br>-<br>-<br>-           |                           | -                       |      | Not readily<br>Not readily<br>Readily<br>Readily<br>Readily |
| 2,2,4(or 2,4,4)-<br>trimethylhexane-1,6-diamine<br>Xylene   | -                          |                           | -                       |      | Not readily<br>Readily                                      |

#### **Bioaccumulative potential**

| Product/ingredient name                           | LogPow | BCF         | Potential |  |
|---|--------|-------------|-----------|--|
| morphous silica (silica gel, precipitated silica) | -      | 0           | Low       |  |
| 1,2,4-Trimethylbenzene                            | 3.63   | 120.23      | Low       |  |
| oxirane, mono[                                    | 3.77   | -           | Low       |  |
| (C12-14-alkyloxy)methyl]<br>derivs                |        |             |           |  |
| Butyl acetate                                     | 2.3    | -           | Low       |  |
| benzyl alcohol                                    | 0.87   | -           | Low       |  |
| Isophoronediamine                                 | 0.99   | -           | Low       |  |
| N,N'-ethane-1,2-diylbis                           | >6     | -           | High      |  |
| (12-hydroxyoctadecan-                             |        |             | -         |  |
| 1-amide)  |        |             |           |  |
| 2,2,4(or 2,4,4)-                                  | -0.3   | -           | Low       |  |
| trimethylhexane-1,6-diamine                       |        |             |           |  |
| Xylene  | 3.12   | 7.4 to 18.5 | Low       |  |
| Methanol  | -0.77  | -           | Low       |  |

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### **12. Ecological information**

| Mobility in soil<br>Soil/water partition<br>coefficient (Koc) | : Not available.  |
|---|---|
| Mobility<br>Other adverse effects                             | <ul> <li>Not available.</li> <li>No known significant effects or critical hazards.</li> </ul> |

### 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### 14. Transport information

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

#### **Additional information**

- UN : None identified. IMDG : None identified.
- IATA : None identified.
- IAIA : None identifier

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.

### 14. Transport information

Transport in bulk according : Not applicable. to IMO instruments

## 15. Regulatory information

#### Fire Service Law

| Category    | Substance name/Type | Danger<br>category | Signal word                | Designated quantity |
|-------------|---------------------|--------------------|----------------------------|---------------------|
| Category IV | Class II petroleums | III                | Flammable - Keep Fire Away | 1000 L              |

#### Pollutant Release and Transfer Registers (PRTR)

| Ingredient name  | %   | Status  | Reference<br>number |
|------------------|-----|---------|---------------------|
| Trimethylbenzene | 2.6 | Class 1 | 691                 |

#### Industrial Safety and Health Act

#### Ordinance on the Prevention of the Hazard due to Specified Chemical Substances

None of the components are listed.

#### Substance(s) requiring labelling

| Ingredient name    | %         | Status | Reference<br>number |
|--------------------|-----------|--------|---------------------|
| Aluminium oxide    | ≥20 - ≤30 | Listed | 189                 |
| Petroleum naphtha  | ≤10       | Listed | 330                 |
| Trimethylbenzene   | ≤10       | Listed | 404                 |
| Iron oxide         | ≤10       | Listed | 192                 |
| Titanium(IV) oxide | ≤10       | Listed | 191                 |
| Butyl acetate      | ≤10       | Listed | 181                 |
| Crystalline silica | ≤10       | Listed | 165-2               |

#### **Chemicals requiring notification**

| Ingredient name    | %         | Status | Reference<br>number |
|--------------------|-----------|--------|---------------------|
| Ruminium oxide     | ≥20 - ≤30 | Listed | 189                 |
| Petroleum naphtha  | ≤10       | Listed | 330                 |
| Trimethylbenzene   | ≤10       | Listed | 404                 |
| Iron oxide         | ≤10       | Listed | 192                 |
| Titanium(IV) oxide | ≤10       | Listed | 191                 |
| Butyl acetate      | ≤10       | Listed | 181                 |
| Carbon black       | ≤10       | Listed | 130                 |
| Crystalline silica | ≤10       | Listed | 165-2               |
| Xylene             | ≤10       | Listed | 136                 |
| Methanol           | ≤10       | Listed | 560                 |

#### Carcinogens based on Article 577-2 of the Ordinance on ISH

| Ingredient name | %   |        | Reference<br>number |
|-----------------|-----|--------|---------------------|
| silicon dioxide | ≤10 | Listed | -                   |

#### <u>Mutagen</u>

None of the components are listed.

#### **Corrosive liquid**

: Not listed

## 15. Regulatory information

| Occupational Safety and<br>Health Law   | : Inflammable, Combustible |
|---|----------------------------|
| Regulations on the<br>Prevention of Tetraalkyl<br>Lead Poisoning              | : Not listed               |
| Harmful Substances<br>Subject to Obtaining<br>Permission for<br>Manufacturing | : Not listed               |
| Harmful Substances,<br>Prohibited for<br>Manufacturing                        | : Not listed               |
| ISHL Enforcement Order<br>Appendix 1 - Dangerous<br>Substances                | : Inflammable, Combustible |
| Lead regulation   | : Not listed               |
| Organic solvents poisoning prevention   | : Not applicable.          |

#### **Poisonous and Deleterious Substances**

None of the components are listed.

#### **Chemical Substances Control Law (CSCL)**

| Ingredient name  | %   | Status              | Reference<br>number |
|--|-----|---------------------|---------------------|
| Polycondensate of 4,4'-isopropylidenediphenol and        | ≤10 | Priority assessment | 87                  |
| 1-chloro-2,3-epoxypropane (liquid only)                  |     | -                   |                     |
| 1,2,4-Trimethylbenzene                                   | ≤10 | Priority assessment | 49                  |
| 1,3,5-Trimethylbenzene                                   | ≤10 | Priority assessment | 201                 |
| Xylene   | ≤10 | Priority assessment | 125                 |
| Phenol   | ≤10 | Priority assessment | 62                  |
| Cumene   | ≤10 | Priority assessment | 126                 |
| Ethylbenzene   | ≤10 | Priority assessment | 50                  |
| Toluene  | ≤10 | Priority assessment | 46                  |
| Benzene  | ≤10 | Priority assessment | 45                  |
| Naphthalene  | ≤10 | Priority assessment | 76                  |
| 1-Butanol  | ≤10 | Priority assessment | 124                 |
| alpha-(Nonylphenyl)-omega-hydroxypoly(oxyethylene)       | ≤10 | Priority assessment | 86                  |
| 2,6-Di-tert-butyl-4-methylphenol                         | ≤10 | Priority assessment | 64                  |
| alpha-Alkyl(C9-11)-omega-hydroxypoly(oxyethylene) (It is | ≤10 | Priority assessment | 188                 |
| limited that a number-average molecular weight of the    |     |                     |                     |
| polymer is less than 1,000.)                             |     |                     |                     |
| Epichlorohydrin  | ≤10 | Priority assessment | 22                  |

High Pressure Gas Control : Not available. Law

#### **Explosives Control Law**

None of the components are listed.

Law concerning prevention : Not available. of pollution of the ocean

#### **Maritime Safety Law**

Notification Regulating Transportation of Dangerous Materials by Sea

## 15. Regulatory information

None of the components are listed.

### **Container class**

None of the components are listed.

| JSOH Carcinogen                                  | : Group 2B                              |
|--|---|
| List of Specially Controlled<br>Industrial Waste | : Not listed                            |
| Japan inventory                                  | : At least one component is not listed. |
| Road law   | : Not available.                        |

## 16. Other information

| : 12 June 2024  |
|---|
| : 1/31/2024   |
| : 19  |
| : EHS   |
| : ADN = European Provisions concerning the International Carriage of Dangerous<br>Goods by Inland Waterway<br>ADR = The European Agreement concerning the International Carriage of<br>Dangerous Goods by Road<br>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>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>RID = The Regulations concerning the International Carriage of Dangerous Goods<br>by Rail<br>UN = United Nations |
|   |

**V** 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.