1. Product and company identification

Product name: AMERCOAT 91 HARDENER
Product code: 00281051
Product type: Liquid.

Relevant identified uses of the substance or mixture and uses advised against
Product use: Professional applications.
Use of the substance/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
Tel: +81 78 574 2777
Fax: +81 78 576 0035

Emergency telephone number: 078 574 2777

2. Hazards identification

GHS Classification:
- FLAMMABLE LIQUIDS - Category 4
- ACUTE TOXICITY (oral) - Category 4
- ACUTE TOXICITY (inhalation) - Category 3
- SKIN CORROSION - Category 1
- SERIOUS EYE DAMAGE - Category 1
- SKIN SENSITIZATION - Category 1
- SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (central nervous system (CNS)) - Category 2
- SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous system (CNS)) - Category 2

GHS label elements
Hazard pictograms:

Signal word: Danger
Hazard statements:
- Combustible liquid.
- Toxic if inhaled.
- Harmful if swallowed.
- Causes severe skin burns and eye damage.
- May cause an allergic skin reaction.
- May cause damage to organs. (central nervous system (CNS))
- May cause damage to organs through prolonged or repeated exposure. (central nervous system (CNS))
2. Hazards identification

Precautionary statements

Prevention: Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from flames and hot surfaces. Do not smoke. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response: Get medical attention if you feel unwell. IF exposed or concerned: Call a POISON CENTER or physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

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

Other hazards which do not result in classification: Causes digestive tract burns.

3. Composition/information on ingredients

Substance/mixture: Mixture

CAS number/other identifiers

CAS number: Not applicable.
ENCS number: Not available.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
<th>ENCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>benzyl alcohol</td>
<td>25 - &lt;50</td>
<td>100-51-6</td>
<td>3-1011</td>
</tr>
<tr>
<td>cyclohex-1,2-ylenediamine</td>
<td>12.5 - &lt;15</td>
<td>694-83-7</td>
<td>3-4230</td>
</tr>
<tr>
<td>salicylic acid</td>
<td>1 - &lt;2</td>
<td>69-72-7</td>
<td>3-1640</td>
</tr>
</tbody>
</table>

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 necessary first aid measures

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

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.
4. First aid measures

**Ingestion**
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 damage.

**Inhalation**
Toxic if inhaled.

**Skin contact**
Causes severe burns. May cause damage to organs following a single exposure in contact with skin. May cause an allergic skin reaction.

**Ingestion**
Harmful if swallowed. Corrosive to the digestive tract. Causes burns. May cause damage to organs following a single exposure if swallowed.

### Over-exposure signs/symptoms

**Eye contact**
Adverse symptoms may include the following:
- pain
- watering
- redness

**Inhalation**
No specific data.

**Skin contact**
Adverse symptoms may include the following:
- pain or irritation
- redness
- blistering may occur

**Ingestion**
Adverse symptoms may include the following:
- stomach pains

### 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)

5. Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing media**
Use dry chemical, CO₂, water spray (fog) or foam.

**Unsuitable extinguishing media**
Do not use water jet.

**Specific hazards arising from the chemical**
Combustible liquid. 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
5. Fire-fighting measures

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

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. Do not breathe 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.

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

7. Handling and storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). 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. 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 breathe vapor or mist. Do not ingest. 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 non-sparking tools. Take precautionary measures against electrostatic discharges.
7. Handling and storage

To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

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.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limits: None.

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 protection: Chemical splash goggles and face shield.

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves: butyl rubber
8. Exposure controls/personal protection

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

9. Physical and chemical properties

Appearance
Physical state: Liquid.
Color: Clear.
Odor: Amine-like.
Boiling point: >37.78°C (>100°F)
Flash point: Closed cup: 89°C (192.2°F)
Material supports combustion: Yes.
Relative density: 1.08
Solubility: Insoluble in the following materials: cold water.
Viscosity: Not Applicable

10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability: The product is stable.
Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid: When exposed to high temperatures may produce hazardous decomposition products.
Incompatible materials: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.
# 11. Toxicological information

## Information on toxicological effects

### Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>benzyl alcohol</td>
<td>LC50 Inhalation Dusts and mists</td>
<td>Rat</td>
<td>&gt;4178 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>2000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1.23 g/kg</td>
<td>-</td>
</tr>
<tr>
<td>cyclohex-1,2-ylenediamine</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>4556 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Salicylic acid</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>0.891 g/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

### Irritation/Corrosion

Not available.

### Sensitization

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salicylic acid</td>
<td>Category 1</td>
<td>Not determined</td>
<td>central nervous system (CNS)</td>
</tr>
</tbody>
</table>

### Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salicylic acid</td>
<td>Category 1</td>
<td>Not determined</td>
<td>central nervous system (CNS)</td>
</tr>
</tbody>
</table>

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

Not available.

### Potential acute health effects

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

**Inhalation**: Toxic if inhaled.

**Skin contact**: Causes severe burns. May cause damage to organs following a single exposure in contact with skin. May cause an allergic skin reaction.

**Ingestion**: Harmful if swallowed. Corrosive to the digestive tract. Causes burns. May cause damage to organs following a single exposure if swallowed.

### Symptoms related to the physical, chemical and toxicological characteristics
11. Toxicological information

Eye contact: Adverse symptoms may include the following:
- pain
- watering
- redness

Inhalation: No specific data.

Skin contact: Adverse symptoms may include the following:
- pain or irritation
- redness
- blistering may occur

Ingestion: Adverse symptoms may include the following:
- stomach pains

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

**Short term exposure**

Potential immediate effects: Not available.

Potential delayed effects: Not available.

**Long term exposure**

Potential immediate effects: Not available.

Potential delayed effects: Not available.

Potential chronic health effects

General: May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>1548.42 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>2133.33 mg/kg</td>
</tr>
<tr>
<td>Inhalation (vapors)</td>
<td>4.08 mg/l</td>
</tr>
<tr>
<td>Inhalation (dusts and mists)</td>
<td>4.93 mg/l</td>
</tr>
</tbody>
</table>

**Other information**

Do not taste or swallow. 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, dizziness and nausea and may lead to unconsciousness or death. Wash thoroughly after handling. Emits toxic fumes when heated.
12. Ecological information

Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Salicylic acid</td>
<td>Acute EC50 1147.57 mg/l Fresh water</td>
<td>Daphnia - Daphnia longispina - Neonate Daphnia - Daphnia magna - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 5.6 mg/l Fresh water</td>
<td></td>
<td>21 days</td>
</tr>
</tbody>
</table>

Persistence/degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
</tbody>
</table>

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogPow</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>1.1</td>
<td>-</td>
<td>low</td>
</tr>
<tr>
<td>Salicylic acid</td>
<td>2.26</td>
<td>-</td>
<td>low</td>
</tr>
</tbody>
</table>

Mobility in soil

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

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

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
14. Transport information

<table>
<thead>
<tr>
<th></th>
<th>UN</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN number</strong></td>
<td>UN3066</td>
<td>UN3066</td>
<td>UN3066</td>
</tr>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td>PAINT RELATED MATERIAL</td>
<td>PAINT RELATED MATERIAL</td>
<td>PAINT RELATED MATERIAL</td>
</tr>
<tr>
<td><strong>Transport hazard class(es)</strong></td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td>III</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td><strong>Environmental hazards</strong></td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td><strong>Marine pollutant substances</strong></td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

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.

15. Regulatory information

**Fire Service Law**

<table>
<thead>
<tr>
<th>Category</th>
<th>Substance name/Type</th>
<th>Danger category</th>
<th>Signal word</th>
<th>Designated quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category IV</td>
<td>Class III petroleums</td>
<td>III</td>
<td>Flammable - Keep Fire Away</td>
<td>2000 L</td>
</tr>
</tbody>
</table>

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

None of the components are listed.

**ISHL**

Use of specified chemical substances

None of the components are listed.

**Label requirements**

None of the components are listed.

**Chemicals requiring notification**

None of the components are listed.

**Carcinogen**

None of the components are listed.

**Mutagen**

None of the components are listed.

**Corrosive liquid**

Not listed

**Occupational Safety and Health Law**

Not available.
15. Regulatory information

Prevention of Tetraalkyl Lead Poisoning
: Not listed

Harmful Substances Subject to Obtaining Permission for Manufacturing
: Not listed

Harmful Substances, Prohibited for Manufacturing
: Not listed

Dangerous Substances
: Not listed

Lead regulation
: Not listed

Organic solvents poisoning prevention
: Not available.

Poisonous and Deleterious Substances
None of the components are listed.

Chemical Substances Control Law (CSCL)
None of the components are listed.

High Pressure Gas Control Law
: Not available.

Explosives Control Law
None of the components are listed.

Law Concerning Prevention of Pollution of the Ocean and Maritime Disaster
: Not available.

Maritime Safety Law

Notification Regulating Transportation of Dangerous Materials by Sea
None of the components are listed.

Container class
None of the components are listed.

JSOH Carcinogen
: Not listed

List of Specially Controlled Industrial Waste
: Not listed

Japan inventory
At least one component is not listed.

Road law
: Not available.

16. Other information

History

Date of issue/Date of revision
: 16 June 2019

Date of previous issue
: 5/15/2018

Version
: 11

Prepared by
: EHS
16. Other information

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  
- RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
- UN = United Nations

.exam_data

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.