



Date of issue 1 July 2021  
Version 4.02

## Section 1. Product and company identification

**Product name** : MEGASEAL HSPC GRAY BASE  
**Product code** : 99-12710.20  
**Other means of identification** : Not available.  
**Product type** : Liquid.

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

| Identified uses                              |        |
|--|--------|
| Coating. Paints. Painting-related materials. |        |
| Uses advised against                         | Reason |
| Not applicable.                              |        |

### Supplier's details:

**Supplier** : PPG Industrial do Brasil – Tintas e Vernizes Ltda  
Via Anhanguera KM 106, Bairro Sao Judas Tadeu  
Sumare / SP, Brasil  
55 19 2103-6000 (Recepção e Portaria)

**Email address:** : HazComLatam@ppg.com

**Emergency telephone number** : 0800 707 1767 / 0800 707 7022 – Empresa Suatrans Cotec  
0800 14 8110 – CEATOX - Centro de Assistência Toxicológica

## Section 2. Hazards identification

**Classification of the substance or mixture** : SKIN CORROSION - Category 1  
SERIOUS EYE DAMAGE - Category 1  
SKIN SENSITIZATION - Category 1  
TOXIC TO REPRODUCTION - Category 2  
AQUATIC HAZARD (ACUTE) - Category 1  
AQUATIC HAZARD (LONG-TERM) - Category 1

**Target organs** : Contains material which causes damage to the following organs: skin, eyes.  
Contains material which may cause damage to the following organs: kidneys, lungs, the reproductive system, liver, cardiovascular system, upper respiratory tract, central nervous system (CNS).

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.1%

### GHS label elements

## Section 2. Hazards identification

### Hazard pictograms



### Signal word

: Danger

### Hazard statements

: Causes severe skin burns and eye damage.  
 May cause an allergic skin reaction.  
 Suspected of damaging fertility or the unborn child.  
 Very toxic to aquatic life with long lasting effects.

### Precautionary statements

#### Prevention

: Obtain special instructions before use. Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment. Avoid breathing vapor.

#### Response

: Collect spillage. IF exposed or concerned: Get medical advice or attention. IF INHALED: Immediately call a POISON CENTER or doctor. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

#### Storage

: Not applicable.

#### Disposal

: 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.

## Section 3. Composition/information on ingredients

### Substance/mixture

: Mixture

### Other means of identification

: Not available.

### CAS number/other identifiers

#### CAS number

: Not applicable.

| Ingredient name                                | %        | CAS number |
|--|----------|------------|
| Bis-[4-(2,3-epoxipropoxy)phenyl]propane        | 60 - 100 | 1675-54-3  |
| oxirane, mono[(C12-14-alkyloxy)methyl] derivs. | 15 - <20 | 68609-97-2 |
| 4-nonylphenol, branched                        | 5 - <7   | 84852-15-3 |
| Talc, not containing asbestiform fibers        | 3 - <5   | 14807-96-6 |
| barium sulfate                                 | 1 - <2   | 7727-43-7  |
| titanium dioxide                               | 0.5 - <1 | 13463-67-7 |
| Phenol, 2-nonyl-, branched                     | 0.5 - <1 | 91672-41-2 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

## Section 3. Composition/information on ingredients

SUB codes represent substances without registered CAS Numbers.

## Section 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.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- 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.

### Potential acute health effects

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

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon oxides  
sulfur oxides  
halogenated compounds  
metal oxide/oxides

## Section 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.
- 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. 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and materials for containment and cleaning up

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

## Section 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. Avoid exposure during pregnancy. 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. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. 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. 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.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name  | Exposure limits  |
|--|--|
| <p>calc, not containing asbestiform fibers</p> <p>barium sulfate</p> <p>titanium dioxide</p> | <p><b>ACGIH TLV (United States, 3/2020).</b><br/>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable</p> <p><b>ACGIH TLV (United States, 3/2020).</b><br/>TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</p> <p><b>ACGIH TLV (United States, 3/2020).</b><br/>TWA: 10 mg/m<sup>3</sup> 8 hours.</p> |

**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** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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

### Individual protection 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

## Section 8. Exposure controls/personal protection

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

## Section 9. Physical and chemical properties

|   |  |
|---|--|
| <b>Appearance</b>                                   |  |
| <b>Physical state</b>                               | : Liquid.  |
| <b>Color</b>  | : Not available.   |
| <b>Odor</b>   | : Characteristic.  |
| <b>pH</b>   | : <input checked="" type="checkbox"/> Not applicable.  |
| <b>Melting point</b>                                | : Not available.   |
| <b>Boiling point</b>                                | : >37.78°C (>100°F)  |
| <b>Flash point</b>                                  | : Closed cup: 93.33°C (200°F)  |
| <b>Evaporation rate</b>                             | : 1 (butyl acetate = 1)  |
| <b>Flammability (solid, gas)</b>                    | : Not available.   |
| <b>Lower and upper explosive (flammable) limits</b> | : Not available.   |
| <b>Vapor pressure</b>                               | : <input checked="" type="checkbox"/> 5 kPa (11 mm Hg)   |
| <b>Vapor density</b>                                | : Not available.   |
| <b>Relative density</b>                             | : 1.13   |
| <b>Solubility</b>                                   | : Insoluble in the following materials: cold water.  |
| <b>Water Solubility at room temperature</b>         | : 0 g/l  |
| <b>Partition coefficient: n-octanol/water</b>       | : <input checked="" type="checkbox"/> Not applicable.  |
| <b>Auto-ignition temperature</b>                    | : Not available.   |
| <b>Decomposition temperature</b>                    | : Not available.   |
| <b>Viscosity</b>                                    | : <input checked="" type="checkbox"/> Kinematic (40°C (104°F)): >21 mm <sup>2</sup> /s (>21 cSt) |

## Section 10. Stability and reactivity

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

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                        | Result                          | Species | Dose        | Exposure |
|--|---------------------------------|---------|-------------|----------|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane        | LD50 Dermal                     | Rabbit  | 23000 mg/kg | -        |
|  | LD50 Oral                       | Rat     | 15000 mg/kg | -        |
| oxirane, mono[(C12-14-alkyloxy)methyl] derivs. | LD50 Oral                       | Rat     | 17100 mg/kg | -        |
|  |                                 |         |             |          |
| 4-nonylphenol, branched                        | LD50 Dermal                     | Rabbit  | 2.14 g/kg   | -        |
|  | LD50 Oral                       | Rat     | 1300 mg/kg  | -        |
| barium sulfate                                 | LD50 Dermal                     | Rat     | >2000 mg/kg | -        |
|  | LD50 Oral                       | Rat     | >5000 mg/kg | -        |
| titanium dioxide                               | LC50 Inhalation Dusts and mists | Rat     | >6.82 mg/l  | 4 hours  |
|  | LD50 Dermal                     | Rabbit  | >5000 mg/kg | -        |
|  | LD50 Oral                       | Rat     | >5000 mg/kg | -        |

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

#### Irritation/Corrosion

| Product/ingredient name                 | Result                             | Species | Score | Exposure | Observation |
|---|------------------------------------|---------|-------|----------|-------------|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane | Eyes - Redness of the conjunctivae | Rabbit  | 0.4   | 24 hours | -           |
|   | Eyes - Mild irritant               | Rabbit  | -     | 24 hours | -           |
|   | Skin - Erythema/Eschar             | Rabbit  | 0.8   | 4 hours  | -           |
|   | Skin - Edema                       | Rabbit  | 0.5   | 4 hours  | -           |
| 4-nonylphenol, branched                 | Skin - Mild irritant               | Rabbit  | -     | 4 hours  | -           |
|   | Skin - Erythema/Eschar             | Rabbit  | 4     | -        | -           |

#### Conclusion/Summary

- Skin** : There are no data available on the mixture itself.
- Eyes** : There are no data available on the mixture itself.
- Respiratory** : There are no data available on the mixture itself.
- Sensitization**

## Section 11. Toxicological information

| Product/ingredient name  | Route of exposure | Species    | Result      |
|--|-------------------|------------|-------------|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane oxirane, mono[(C12-14-alkyloxy)methyl] derivs. | skin              | Mouse      | Sensitizing |
|  | skin              | Guinea pig | Sensitizing |

### Conclusion/Summary

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

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

### Mutagenicity

Not available.

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

### Carcinogenicity

Not available.

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

### Classification

| Product/ingredient name                                  | OSHA | IARC | NTP |
|--|------|------|-----|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane titanium dioxide | -    | 3    | -   |
|  | -    | 2B   | -   |

### Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

### Reproductive toxicity

Not available.

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

### Teratogenicity

Not available.

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

### Specific target organ toxicity (single exposure)

| Name                                   | Category   | Route of exposure | Target organs                |
|--|------------|-------------------|------------------------------|
| alc, not containing asbestiform fibers | Category 3 | -                 | Respiratory tract irritation |

### Specific target organ toxicity (repeated exposure)

Not available.



## Section 11. Toxicological information

**Target organs** : Contains material which causes damage to the following organs: skin, eyes.  
Contains material which may cause damage to the following organs: kidneys, lungs, the reproductive system, liver, cardiovascular system, upper respiratory tract, central nervous system (CNS).

### **Aspiration hazard**

Not available.

**Information on the likely routes of exposure** : Not available.

### **Potential acute health effects**

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

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

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

**Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

**Ingestion** : Adverse symptoms may include the following:  
stomach pains  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

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

**Conclusion/Summary** : There are no data available on the mixture itself. For many PPG products, TiO<sub>2</sub> is utilized as a raw material in a liquid coating formulation. In this case, the TiO<sub>2</sub> particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO<sub>2</sub> when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where

## Section 11. Toxicological information

known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

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

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

### Long term exposure

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

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

### Potential chronic health effects

Not available.

**General** : 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** : Suspected of damaging fertility or the unborn child.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Product/ingredient name                        | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| MEGASEAL HSPC GRAY BASE                        | 20807.3      | 21668.4        | N/A                      | N/A                        | N/A                                 |
| bis-[4-(2,3-epoxipropoxy)phenyl]propane        | 15000        | 23000          | N/A                      | N/A                        | N/A                                 |
| oxirane, mono[(C12-14-alkyloxy)methyl] derivs. | 17100        | N/A            | N/A                      | N/A                        | N/A                                 |
| 4-nonylphenol, branched                        | 1300         | 2140           | N/A                      | N/A                        | N/A                                 |
| barium sulfate                                 | N/A          | 2500           | N/A                      | N/A                        | N/A                                 |
| Phenol, 2-nonyl-, branched                     | 500          | N/A            | N/A                      | N/A                        | N/A                                 |

**Other information** : Not available.

## Section 12. Ecological information

### Ecotoxicity

| Product/ingredient name   | Result                                  | Species                                 | Exposure            |
|---|---|---|---------------------|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane oxirane, mono[(C12-14-alkyloxy)methyl] derivs.<br>4-nonylphenol, branched | Acute LC50 1.8 mg/l Fresh water         | Daphnia - daphnia magna                 | 48 hours            |
|   | Chronic NOEC 0.3 mg/l<br>LC50 >100 mg/l | Daphnia<br>Fish                         | 21 days<br>96 hours |
|   | Acute EC50 0.04 mg/l                    | Algae - Pseudokirchneriella subcapitata | 72 hours            |

|              |                         |               |             |         |      |
|--------------|-------------------------|---------------|-------------|---------|------|
| Code         | 99-12710.20             | Date of issue | 1 July 2021 | Version | 4.02 |
| Product name | MEGASEAL HSPC GRAY BASE |               |             |         |      |

## Section 12. Ecological information

|  |                                  |                                |          |
|--|----------------------------------|--------------------------------|----------|
| titanium dioxide<br>Phenol, 2-nonyl-, branched | Acute EC50 0.044 mg/l            | Crustaceans - Moina macrocopa  | 48 hours |
|  | Acute LC50 0.221 mg/l            | Fish                           | 96 hours |
|  | Acute LC50 >100 mg/l Fresh water | Daphnia - Daphnia magna        | 48 hours |
|  | Acute LC50 0.017 mg/l            | Fish - Pleuronectes americanus | 96 hours |

### Persistence/degradability

| Product/ingredient name                 | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane | -                 | -          | Not readily      |

### Bioaccumulative potential

| Product/ingredient name                        | LogP <sub>ow</sub> | BCF    | Potential |
|--|--------------------|--------|-----------|
| oxirane, mono[(C12-14-alkyloxy)methyl] derivs. | 3.77               | -      | low       |
| 4-nonylphenol, branched                        | 5.4                | 251.19 | low       |

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

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

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                            | Brazil (ANTT) | IMDG   | IATA   |
|----------------------------|---------------|--------|--------|
| UN number                  | UN3066        | UN3066 | UN3066 |
| UN proper shipping name    | PAINT         | PAINT  | PAINT  |
| Transport hazard class(es) | 8             | 8      | 8      |
| Packing group              | II            | II     | II     |

## Section 14. Transport information

|                                    |  |  |  |
|------------------------------------|--|--|--|
| <b>Environmental hazards</b>       | Yes. The environmentally hazardous substance mark is not required. | Yes.   | Yes. The environmentally hazardous substance mark is not required. |
| <b>Marine pollutant substances</b> | Not applicable.  | (bis-[4-(2,3-epoxipropoxy)phenyl]propane, 4-nonylphenol, branched) | Not applicable.  |

### Additional information

- Brazil** : None identified.
- Risk number** : 80
- IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
- IATA** : The environmentally hazardous substance mark may appear if required by other transportation regulations.

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

**Transport in bulk according to IMO instruments** : Not applicable.

## 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).

## Section 16. Other information

### History

- Date of previous issue** : 6/7/2020
- Version** : 4.02
- 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
- References** : ABNT NBR 14725-4: 2014  
 ANTT - National Land Transportation Agency

## Section 16. Other information

Indicates information that has changed from previously issued version.

### Disclaimer

*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.*