

# SAFETY DATA SHEET

Date of issue/Date of revision

: 15 February 2026

Version

: 4



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : MEGASEAL SL Heavy Duty Gray Comp A

**Product code** : 00333445

#### Other means of identification

Not available.

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

**Product use** : Industrial applications, Used by spraying.

**Use of the substance/  
mixture** : Coating.

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

### 1.3 Details of the supplier of the safety data sheet

PPG Coatings Belgium BV/SRL

Tweemontstraat 104

B-2100 Deurne

Belgium

Telephone +32-33606311

Fax +32-33606435

**e-mail address of person  
responsible for this SDS** : Product.Stewardship.EMEA@ppg.com

### 1.4 Emergency telephone number

#### Supplier

+31 20 4075210

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

☑ Skin Irrit. 2, H315

Eye Irrit. 2, H319

Skin Sens. 1, H317

Repr. 1B, H360F

Aquatic Chronic 2, H411

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

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## SECTION 2: Hazards identification

### 2.2 Label elements

Hazard pictograms



Signal word

: **D**anger

Hazard statements

: **H**315 Causes skin irritation.  
**H**317 May cause an allergic skin reaction.  
**H**332 Causes serious eye irritation.  
**H**360 May damage fertility.  
**H**410 Toxic to aquatic life with long lasting effects.

### Precautionary statements

Prevention

: **P**201 Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Avoid release to the environment.

Response

: **P**531 Collect spillage. IF exposed or concerned: Get medical advice or attention.

Storage

: Not applicable.

Disposal

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

**P**202, P280, P273, P391, P308 + P313, P501

Hazardous ingredients

: **H**373 Bis-[4-(2,3-epoxypropoxy)phenyl]propane; Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol; oxirane, mono[(C12-14-alkyloxy)methyl] derivs.; Fatty acids, C14-18 and C16-18-unsatd., maleated; 2,3-epoxypropyl neodecanoate and maleic anhydride

Supplemental label elements

: **H**373 Contains epoxy constituents. May produce an allergic reaction.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

: **R**607 Restricted to professional users.

### Special packaging requirements

Containers to be fitted with child-resistant fastenings

: Not applicable.

Tactile warning of danger

: Not applicable.

### 2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Product meets the criteria for endocrine disrupting properties according to Regulation (EC) No. 1907/2006.

: Based on available data, the classification criteria are not met.

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## SECTION 2: Hazards identification

**Other hazards which do not result in classification** : Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C/140F.

## SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	% by weight	Classification	Specific Conc. Limits, M-factors and ATEs	Type
Diis-[4-(2,3-epoxipropoxy)phenyl]propane	REACH #: 01-2119456619-26 EC: 216-823-5 CAS: 1675-54-3 Index: 603-073-00-2	≥50 - ≤75	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	Skin Irrit. 2, H315: C ≥ 5% Eye Irrit. 2, H319: C ≥ 5%	[1]
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	REACH #: 01-2119454392-40 EC: 500-006-8 CAS: 9003-36-5	≥10 - ≤25	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	-	[1]
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	REACH #: 01-2119485289-22 EC: 271-846-8 CAS: 68609-97-2 Index: 603-103-00-4	≥10 - ≤25	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 1B, H360F	-	[1]
Formaldehyde, polymer with 1,3-dimethylbenzene	CAS: 26139-75-3	≥1.0 - ≤5.0	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-	[1]
Fatty acids, C14-18 and C16-18-unsatd., maleated	REACH #: 01-2119978273-29 EC: 288-306-2 CAS: 85711-46-2	≤0.30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317	-	[1]
2,3-epoxypropyl neodecanoate	REACH #: 01-2119431597-33 EC: 247-979-2 CAS: 26761-45-5 Index: 607-770-00-2	≤0.10	Skin Sens. 1A, H317 Muta. 2, H341 Repr. 2, H361d Aquatic Chronic 2, H411	Skin Sens. 1, H317: C ≥ 0.001%	[1]
maleic anhydride	REACH #: 01-2119472428-31 EC: 203-571-6 CAS: 108-31-6 Index: 607-096-00-9	≤0.10	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317 STOT RE 1, H372 (respiratory system) (inhalation) EUH071 <b>See Section 16 for the full text of the H statements declared above.</b>	ATE [Oral] = 400 mg/kg Skin Sens. 1, H317: C ≥ 0.001%	[1] [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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

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## SECTION 3: Composition/information on ingredients

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

**SUB codes represent substances without registered CAS Numbers.**

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- 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.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** :  Adverse symptoms may include the following:  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Skin contact** :  Adverse symptoms may include the following:  
irritation  
redness  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations
- Ingestion** :  Adverse symptoms may include the following:  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations

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## SECTION 4: First aid measures

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

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

### 5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon oxides  
halogenated compounds  
metal oxide/oxides  
Formaldehyde.

### 5.3 Advice for firefighters

- Special precautions 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

- : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### 6.3 Methods and material for containment and cleaning up

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## SECTION 6: Accidental release measures

- 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 the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. 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 ingest. Avoid breathing vapour or mist. 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.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
maleic anhydride	<b>ACGIH TLV (United States, 1/2025)</b> A4. Skin sensitizer , Inhalation sensitizer. TWA 8 hours: 0.01 mg/m <sup>3</sup> . Form: Inhalable fraction and vapor.

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

Product/ingredient name	Exposure	Value
bis-[4-(2,3-epoxypropoxy)phenyl]propane	DNEL - Workers - Long term - Inhalation	<i>Systemic</i> 12.25 mg/m <sup>3</sup>
	DNEL - Workers - Short term - Inhalation	<i>Systemic</i> 12.25 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Dermal	<i>Systemic</i> 8.33 mg/kg bw/day
	DNEL - Workers - Short term - Dermal	<i>Systemic</i> 8.33 mg/kg bw/day
	DNEL - General population - Consumers - Long term - Dermal	<i>Systemic</i> 3.571 mg/kg bw/day
	DNEL - General population - Consumers - Short term - Dermal	<i>Systemic</i> 3.571 mg/kg bw/day
	DNEL - General population - Consumers - Long term - Oral	<i>Systemic</i> 0.75 mg/kg bw/day
	DNEL - General population - Consumers - Short term - Oral	<i>Systemic</i> 0.75 mg/kg bw/day
	DNEL - General population - Long term - Dermal	<i>Systemic</i> 89.3 µg/kg bw/day
	DNEL - General population - Long term - Oral	<i>Systemic</i> 0.5 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	<i>Systemic</i> 0.75 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	<i>Systemic</i> 0.87 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Inhalation	<i>Systemic</i> 4.93 mg/m <sup>3</sup>
	DMEL - Workers - Short term - Dermal	<i>Local</i> 8.3 µg/cm <sup>2</sup>
	Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	DNEL - General population - Long term - Oral
DNEL - General population - Long term - Inhalation		<i>Systemic</i> 8.7 mg/m <sup>3</sup>
DNEL - Workers - Long term - Inhalation		<i>Systemic</i> 29.39 mg/m <sup>3</sup>
DNEL - General population - Long term - Dermal		<i>Systemic</i> 62.5 mg/kg bw/day
DNEL - Workers - Long term - Dermal		<i>Systemic</i> 104.15 mg/kg bw/day
DNEL - General population - Long term - Oral		<i>Systemic</i> 0.5 mg/kg bw/day
oxirane, mono[(C12-14-alkyloxy)		

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## SECTION 8: Exposure controls/personal protection

methyl] derivs.	DNEL - General population - Long term - Dermal	<i>Systemic</i>	0.5 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	<i>Systemic</i>	0.87 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Dermal	<i>Systemic</i>	1 mg/kg bw/day
Fatty acids, C14-18 and C16-18-unsatd., maleated	DNEL - Workers - Long term - Inhalation	<i>Systemic</i>	3.6 mg/m <sup>3</sup>
	DNEL - General population - Long term - Oral	<i>Systemic</i>	1.5 mg/kg bw/day
	DNEL - General population - Long term - Dermal	<i>Systemic</i>	1.5 mg/kg bw/day
2,3-epoxypropyl neodecanoate	DNEL - Workers - Long term - Dermal	<i>Systemic</i>	3 mg/kg bw/day
	DNEL - General population - Long term - Dermal	<i>Systemic</i>	2.5 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	<i>Systemic</i>	4 mg/m <sup>3</sup>
maleic anhydride	DNEL - Workers - Long term - Dermal	<i>Systemic</i>	4.2 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	<i>Systemic</i>	5.88 mg/m <sup>3</sup>
	DNEL - General population - Long term - Oral	<i>Systemic</i>	2.5 mg/kg bw/day
	DNEL - Workers - Long term - Inhalation	<i>Systemic</i>	0.4 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Inhalation	<i>Local</i>	0.4 mg/m <sup>3</sup>
	DNEL - General population - Long term - Inhalation	<i>Systemic</i>	0.05 mg/m <sup>3</sup>
	DNEL - General population - Long term - Oral	<i>Systemic</i>	0.06 mg/kg bw/day
	DNEL - General population - Long term - Inhalation	<i>Local</i>	0.08 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Inhalation	<i>Local</i>	0.081 mg/m <sup>3</sup>
	DNEL - Workers - Long term - Inhalation	<i>Systemic</i>	0.081 mg/m <sup>3</sup>
	DNEL - General population - Short term - Oral	<i>Systemic</i>	0.1 mg/kg bw/day
	DNEL - General population - Short term - Dermal	<i>Systemic</i>	0.1 mg/kg bw/day
	DNEL - General population - Long term - Dermal	<i>Systemic</i>	0.1 mg/kg bw/day
	DNEL - Workers - Short term - Dermal	<i>Systemic</i>	0.2 mg/kg bw/day
	DNEL - Workers - Long term - Dermal	<i>Systemic</i>	0.2 mg/kg bw/day
DNEL - Workers - Short term - Inhalation	<i>Local</i>	0.2 mg/m <sup>3</sup>	
DNEL - Workers - Short term - Inhalation	<i>Systemic</i>	0.2 mg/m <sup>3</sup>	

### PNECs

Product/ingredient name	Compartment Detail - Method	Value
bis-[4-(2,3-epoxipropoxy)phenyl] propane  maleic anhydride	Fresh water - Assessment Factors	0.006 mg/l
	Marine water - Assessment Factors	0.001 mg/l
	Fresh water sediment - Equilibrium Partitioning	0.996 mg/kg dwt
	Marine water sediment - Equilibrium Partitioning	0.1 mg/kg dwt
	Soil - Equilibrium Partitioning	0.196 mg/kg dwt
	Sewage Treatment Plant - Assessment Factors	10 mg/l
	Secondary Poisoning - Assessment Factors	11 mg/kg
	Fresh water - Assessment Factors	0.1 mg/l
	Marine water - Assessment Factors	0.01 mg/l
	Sewage Treatment Plant - Assessment Factors	44.6 mg/l
	Fresh water sediment - Equilibrium Partitioning	0.334 mg/kg dwt
	Marine water sediment - Equilibrium Partitioning	0.033 mg/kg dwt
	Soil - Equilibrium Partitioning	0.042 mg/kg dwt

### 8.2 Exposure controls

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

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## SECTION 8: Exposure controls/personal protection

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Chemical splash goggles. Use eye protection according to EN 166.
- 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. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
- Gloves** : butyl rubber
- 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. Wear a respirator conforming to EN140. Filter type: organic vapour (Type A) and particulate filter P3
- 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.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid.
- Colour** : Grey.
- Odour** : Characteristic.
- Melting point/freezing point** : Not determined.

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## SECTION 9: Physical and chemical properties

- Boiling point or initial boiling point and boiling range** : >37.78°C
- Flammability** : Not determined. There are no data available on the mixture itself.
- Lower and upper explosion limit** : Not available.
- Flash point** : Closed cup: 110°C
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Stable under recommended storage and handling conditions (see Section 7).
- pH** : Not applicable. insoluble in water.
- Viscosity** :  Dynamic (room temperature): Not available.  
 Kinematic (room temperature): Not available.  
 Kinematic (40°C): >21 mm<sup>2</sup>/s
- Solubility** :

Media	Result
cold water	Not soluble

- Solubility in water** : 0 g/l
- Partition coefficient n-octanol/water (log Pow)** : Not applicable.

**Vapour pressure** :

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<input checked="" type="checkbox"/> Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	0.0045	0.0006	EU A.4			

- Relative density** : 1.14

### Particle characteristics

- Median particle size** : Not applicable.

## 9.2 Other information

### 9.2.1 Information with regard to physical hazard classes

- Explosive properties** : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.
- Oxidising properties** : Product does not present an oxidizing hazard.

### 9.2.2 Other safety characteristics

- Evaporation rate** : 0.25 (butyl acetate = 1)

No additional information.

## SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : When exposed to high temperatures may produce hazardous decomposition products.

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## SECTION 10: Stability and reactivity

Refer to protective measures listed in sections 7 and 8.

**10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

**10.6 Hazardous decomposition products** : Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds Formaldehyde. metal oxide/oxides

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly.

- Causes serious eye irritation.
- Causes skin irritation.
- May cause an allergic skin reaction.
- May damage fertility.

#### Acute toxicity

Product/ingredient name	Result	Dose / Exposure
<input checked="" type="checkbox"/> Is-[4-(2,3-epoxipropoxy)phenyl] propane	Rabbit - Dermal - LD50	23000 mg/kg
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol oxirane, mono[(C12-14-alkyloxy) methyl] derivs.	Rat - Oral - LD50 Rat - Oral - LD50	15000 mg/kg >10000 mg/kg
2,3-epoxypropyl neodecanoate	Rat - Oral - LD50	17100 mg/kg
maleic anhydride	Rabbit - Dermal - LD50 Rat - Oral - LD50 Rat - Dermal - LD50 Rabbit - Dermal - LD50 Rat - Oral - LD50	>4000 mg/kg 9.6 g/kg 3800 mg/kg 2620 mg/kg 400 mg/kg

#### Acute toxicity estimates

**Conclusion/Summary** :  Based on available data, the classification criteria are not met.

#### Irritation/Corrosion

Product/ingredient name	Result
<input checked="" type="checkbox"/> Is-[4-(2,3-epoxipropoxy)phenyl] propane	Rabbit - Eyes - Redness of the conjunctivae Duration of treatment/exposure: 24 hours Irritation score: 0.4
-	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 24 hours Fully reversible in 7 days or less
-	Rabbit - Skin - Erythema/Eschar Duration of treatment/exposure: 4 hours Irritation score: 0.8
-	Rabbit - Skin - Oedema Duration of treatment/exposure: 4 hours Irritation score: 0.5
-	Rabbit - Skin - Mild irritant Duration of treatment/exposure: 4 hours

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### Conclusion/Summary

- Skin** :  Causes skin irritation.  
**Eyes** :  Causes serious eye irritation.  
**Respiratory** :  Based on available data, the classification criteria are not met.

### Respiratory or skin sensitization

Product/ingredient name	Test	Result
<input checked="" type="checkbox"/> Bis-[4-(2,3-epoxipropoxy)phenyl] propane	Mouse - skin	Sensitising

### Conclusion/Summary

- Skin** :  May cause an allergic skin reaction.  
**Respiratory** :  Based on available data, the classification criteria are not met.

### Mutagenicity

Based on available data, the classification criteria are not met.

### Carcinogenicity

Based on available data, the classification criteria are not met.

### Reproductive toxicity

May damage fertility.

### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
<input checked="" type="checkbox"/> Formaldehyde, polymer with 1,3-dimethylbenzene	Category 3	-	Respiratory tract irritation

### Conclusion/Summary :

Based on available data, the classification criteria are not met.

### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
<input checked="" type="checkbox"/> Maleic anhydride	Category 1	inhalation	respiratory system

### Conclusion/Summary :

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met.

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

### Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation. May cause an allergic skin reaction.  
**Eye contact** : Causes serious eye irritation.

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

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

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

**Skin contact** :  Adverse symptoms may include the following:  
irritation  
redness  
reduced foetal weight  
increase in foetal deaths  
skeletal malformations

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

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

### Potential chronic health effects

**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** :  May damage fertility.

**Other information** : Contains a substance that may emit formaldehyde if stored beyond its shelf life and/or during cure at curing temperatures greater than 60C/140F.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

There are no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

### 12.1 Toxicity

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## SECTION 12: Ecological information

Product/ingredient name	Result	Species	Dose / Exposure
bis-[4-(2,3-epoxipropoxy)phenyl]propane	Chronic - NOEC	Daphnia	0.3 mg/l [21 days]
	Acute - LC50 - Fresh water	Daphnia - <i>daphnia magna</i>	1.8 mg/l [48 hours]
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Acute - LC50	Fish	2.54 mg/l [96 hours]
	LC50	Fish	>1.8 mg/l [96 hours]
2,3-epoxypropyl neodecanoate	EC50	Daphnia	7.2 mg/l [48 hours]
	EC50	Algae	844 mg/l [72 hours]
	Acute - LC50	Fish - <i>Oncorhynchus mykiss</i>	9.6 mg/l [96 hours]
	Acute - EC50	Daphnia - <i>Daphnia magna</i>	4.8 mg/l [48 hours]
	Acute - EC50	Algae	3.5 mg/l [96 hours]

**Conclusion/Summary** : Toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose / Inoculum
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	OECD [ Ready Biodegradability - Manometric Respirometry Test]	87% [28 days] - Readily	
	-	7 to 11% [28 days]	
2,3-epoxypropyl neodecanoate	-		

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
bis-[4-(2,3-epoxipropoxy)phenyl]propane oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	-	-	Not readily
	-	-	Readily
2,3-epoxypropyl neodecanoate	-	-	Not readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	2.7	-	Low
	3.77	160 to 263	Low
2,3-epoxypropyl neodecanoate	4.4	-	High
maleic anhydride	-2.78	-	Low

### 12.4 Mobility in soil

Soil/water partition coefficient

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## SECTION 12: Ecological information

Product/ingredient name	logKoc	Koc
bis-[4-(2,3-epoxipropoxy)phenyl]propane maleic anhydride	4	10465.7
	1.1	11.4841

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** :

#### European waste catalogue (EWC)

Waste code	Waste designation
08 01 99	wastes not otherwise specified

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)
Container	15 01 06 mixed packaging

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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## SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	UN3082	UN3082	UN3082	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  (bis-[4-(2,3-epoxipropoxy)phenyl]propane, Epoxy Resin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  (bis-[4-(2,3-epoxipropoxy)phenyl]propane, Epoxy Resin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  (bis-[4-(2,3-epoxipropoxy)phenyl]propane, Epoxy Resin)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  (bis-[4-(2,3-epoxipropoxy)phenyl]propane, Epoxy Resin)
14.3 Transport hazard class(es)	9	9	9	9
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes.
Marine pollutant substances	Not applicable.	Not applicable.	 (bis-[4-(2,3-epoxipropoxy)phenyl]propane)	Not applicable.

### Additional information

- ADR/RID** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- Tunnel code** : (-)
- ADN** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**14.6 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.

**14.7 Maritime transport in bulk according to IMO instruments** : Not applicable.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

[EU Regulation \(EC\) No. 1907/2006 \(REACH\)](#)

[Annex XIV - List of substances subject to authorisation](#)

[Annex XIV](#)

None of the components are listed.

[Substances of very high concern](#)

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## SECTION 15: Regulatory information

None of the components are listed.

[Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles](#)

Product/ingredient name	Entry Number ( REACH )
<input checked="" type="checkbox"/> MEGASEAL SL Heavy Duty Gray Comp A	3
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	30 30

Labelling :  Restricted to professional users.

### Other EU regulations

Explosive precursors : Not applicable.

[Ozone depleting substances \(EU 2024/590\)](#)

Not listed.

[Persistent Organic Pollutants](#)

Not listed.

### Seveso Directive

This product is controlled under the Seveso Directive.

[Danger criteria](#)

Category
<input checked="" type="checkbox"/> 2

15.2 Chemical safety assessment : No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

PBT = Persistent, Bioaccumulative and Toxic

vPvB = Very Persistent and Very Bioaccumulative

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

IMDG = International Maritime Dangerous Goods

IATA = International Air Transport Association

[Full text of abbreviated H statements](#)

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**SECTION 16: Other information**

<p><input checked="" type="checkbox"/> H302  H314  H315  H317  H318  H319  H334    H335  H341  H360F  H361d  H372  H411  EUH071</p>	<p>Harmful if swallowed.  Causes severe skin burns and eye damage.  Causes skin irritation.  May cause an allergic skin reaction.  Causes serious eye damage.  Causes serious eye irritation.  May cause allergy or asthma symptoms or breathing difficulties if inhaled.  May cause respiratory irritation.  Suspected of causing genetic defects.  May damage fertility.  Suspected of damaging the unborn child.  Causes damage to organs through prolonged or repeated exposure.  Toxic to aquatic life with long lasting effects.  Corrosive to the respiratory tract.</p>
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[Full text of classifications \[CLP/GHS\]](#)

<p><input checked="" type="checkbox"/> Acute Tox. 4  Aquatic Chronic 2  Eye Dam. 1  Eye Irrit. 2  Muta. 2  Repr. 1B  Repr. 2  Resp. Sens. 1  Skin Corr. 1B  Skin Irrit. 2  Skin Sens. 1  Skin Sens. 1A  Skin Sens. 1B  STOT RE 1    STOT SE 3</p>	<p>ACUTE TOXICITY - Category 4  LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2  SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1  SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2  GERM CELL MUTAGENICITY - Category 2  REPRODUCTIVE TOXICITY - Category 1B  REPRODUCTIVE TOXICITY - Category 2  RESPIRATORY SENSITISATION - Category 1  SKIN CORROSION/IRRITATION - Category 1B  SKIN CORROSION/IRRITATION - Category 2  SKIN SENSITISATION - Category 1  SKIN SENSITISATION - Category 1A  SKIN SENSITISATION - Category 1B  SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3</p>
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**History**

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**Prepared by** : EHS  
**Version** : 4

**Disclaimer**

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