



SAFETY DATA SHEET

Epoxy Floor Paint - Resin

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

1.1 Product identifier

Product name : Epoxy Floor Paint - Resin
Product description : Paint
Product type : Liquid.
UFI : XA2W-V0KE-J00Q-APT7
Product code : FLS0020

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

Identified uses	
Consumer Professional Industrial	
Uses advised against	Reason
None identified.	-

1.3 Details of the supplier of the safety data sheet

Floorsaver Ltd,
Eastgate Court
195-205 High Street
Guildford
Surrey
GU1 3EH
United Kingdom
Telephone no: 0345 4509888
Email: info@floorsaver.co.uk

Floorsaver
Kränkelsweg 14
41748 Viersen
Deutschland
Telephone no.: 02162-5746666
info@floorsaver.de

e-mail address of person responsible for this SDS : rpmeurohas@rustoleum.eu

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number Ireland : 809 2166
Available 8am to 10pm 7 days per week

Supplier

Telephone number Ireland : +353 19014670
Hours of operation : 24 / 7

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

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.

2.2 Label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

General : P103 - Read carefully and follow all instructions.
P102 - Keep out of reach of children.
P101 - If medical advice is needed, have product container or label at hand.

Prevention : P280 - Wear protective gloves. Wear eye or face protection.
P273 - Avoid release to the environment.

Response : P391 - Collect spillage.

Storage : Not applicable.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous ingredients : 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol
benzyl alcohol

Supplemental label elements : EUH205 - Contains epoxy constituents. May produce an allergic reaction.

Supplemental label elements : Not applicable.

Supplemental label elements : Detergents - Regulation (EC) No 907/2006

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings : Not applicable.

Tactile warning of danger : Not applicable.

Epoxy Floor Paint - Resin

SECTION 2: Hazards identification

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. : ☒ Not applicable

Other hazards which do not result in classification : None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture
Ireland

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane	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	≥25 - ≤50	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Chronic 2, H411	-	[1]
benzyl alcohol	REACH #: 01-2119492630-38 EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≥10 - ≤25	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Irrit. 2, H319 Skin Sens. 1B, H317 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 1200 mg/kg ATE [Inhalation (dusts and mists)] = 4,178 mg/l	[1]

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.

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

Type

[1] Substance classified with a health or environmental hazard

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

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. 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

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

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.

SECTION 5: Firefighting measures

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 dioxide
carbon monoxide
halogenated compounds

5.3 Advice for firefighters

- 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. 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

- Small spill** :  Stop leak if without risk. Move containers from spill area. Absorb with an inert 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. 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.

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.

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. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. 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

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. 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.

Seveso Directive - Reporting thresholds

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
 E2	200 tonnes	500 tonnes

7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits / Biological exposure indices

No exposure limit value known.

No exposure indices known.

- 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

SECTION 8: Exposure controls/personal protection

Product/ingredient name	Result	Value	Effects
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	DNEL - General population - Long term - Dermal	89,3 µg/kg bw/day	Effects: Systemic
	DNEL - General population - Long term - Oral	0,5 mg/kg bw/day	Effects: Systemic
	DNEL - Workers - Long term - Dermal	0,75 mg/kg bw/day	Effects: Systemic
	DNEL - General population - Long term - Inhalation	0,87 mg/m³	Effects: Systemic
	DNEL - Workers - Long term - Inhalation	4,93 mg/m³	Effects: Systemic
	DNEL - Workers - Short term - Dermal	83 mg/cm²	Effects: Local
	DNEL - Workers - Long term - Dermal	104,15 mg/kg bw/day	Effects: Systemic
	DNEL - Workers - Long term - Inhalation	29,39 mg/m³	Effects: Systemic
	DNEL - General population - Consumers - Long term - Dermal	62,5 mg/kg bw/day	Effects: Systemic
	DNEL - General population - Consumers - Long term - Inhalation	8,7 mg/m³	Effects: Systemic
	DNEL - General population - Consumers - Long term - Oral	6,25 mg/kg bw/day	Effects: Systemic
	DMEL - Workers - Short term - Dermal	8,3 µg/cm²	Effects: Local
	DNEL - General population - Long term - Oral	6,25 mg/kg bw/day	Effects: Systemic
	DNEL - General population - Long term - Inhalation	8,7 mg/m³	Effects: Systemic
	DNEL - Workers - Long term - Inhalation	29,39 mg/m³	Effects: Systemic
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	DNEL - General population - Long term - Dermal	62,5 mg/kg bw/day	Effects: Systemic
	DNEL - Workers - Long term - Dermal	104,15 mg/kg bw/day	Effects: Systemic
	DNEL - General population - Long term - Oral	4 mg/kg bw/day	Effects: Systemic
benzyl alcohol	DNEL - General population - Long term - Dermal	4 mg/kg bw/day	Effects: Systemic
	DNEL - General population - Long term - Oral	5,4 mg/m³	Effects:

	Long term - Inhalation		Systemic
	DNEL - Workers - Long term - Dermal	8 mg/kg bw/day	<u>Effects:</u> Systemic
	DNEL - General population - Short term - Oral	20 mg/kg bw/day	<u>Effects:</u> Systemic
	DNEL - General population - Short term - Dermal	20 mg/kg bw/day	<u>Effects:</u> Systemic
	DNEL - Workers - Long term - Inhalation	22 mg/m³	<u>Effects:</u> Systemic
	DNEL - General population - Short term - Inhalation	27 mg/m³	<u>Effects:</u> Systemic
	DNEL - Workers - Short term - Dermal	40 mg/kg bw/day	<u>Effects:</u> Systemic
	DNEL - Workers - Short term - Inhalation	110 mg/m³	<u>Effects:</u> Systemic

Product/ingredient name	Result	Value	Remarks
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Fresh water	0,003 mg/l	-
	Marine water	0,0003 mg/l	-
	Sewage Treatment Plant	10 mg/l	-
	Fresh water sediment	0,294 mg/kg dwt	-
	Marine water sediment	0,0294 mg/kg dwt	-
	Soil	0,237 mg/kg dwt	-
benzyl alcohol	Fresh water	2,3 mg/l	-
	Sewage Treatment Plant	39 mg/l	-
	Fresh water sediment	5,27 mg/kg	-
	Soil	0,456 mg/kg	-
	Marine water sediment	0,527 mg/kg	-
	Fresh water	1 mg/l	-
	Marine water	0,1 mg/l	-

Individual protection measures

SECTION 8: Exposure controls/personal protection

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 : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Use eye protection according to EN 166. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: chemical splash goggles and/or face shield.

Skin protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

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. > 8 hours (breakthrough time): polyethylene (PE) polyvinyl alcohol (PVA)
The recommendation for the type or types of glove to use when handling this product is based on information from the following source: EN374. 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.

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. Recommended: (EN 467) Wear long sleeves and other protective clothing to prevent repeated or prolonged skin contact.

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 : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: (EN 141) organic vapour (Type A) and particulate filter

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.

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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

Physical state	: Liquid.
Colour	: Yellow.
Odour	: Not available.
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not relevant due to nature of the product.
Flammability (solid, gas)	: Not available.
Lower and upper explosion limit	: Not available.
Flash point	: Closed cup: >100°C (>212°F) [Literature]
Auto-ignition temperature	: Not relevant due to nature of the product.
Decomposition temperature	: Not available.
pH	: Not applicable. [Literature]
pH : Justification	: Not available.
Viscosity	: Dynamic (room temperature): 700 to 800 mPa·s [ICI Rotothinner] Kinematic (room temperature): 889 mm²/s [calculated.] Kinematic (40°C): Not available.
Solubility(ies)	: Not available.
Solubility in water	: Not available.
Partition coefficient: n-octanol/ water	: Not applicable.
Vapour pressure	:

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	0,62	0,083	EU A.4			
benzyl alcohol	0,05	0,0067				
2,2'-[[1-methylethylidene]bis(4,1-phenyleneoxymethylene)] bisoxirane	0	0		0	0	

Evaporation rate	: Not available.
Relative density	: 1,125013
Density	: 1,161 g/cm³ [20°C (68°F)] [DIN 53217]
Vapour density	: Not available.
Explosive properties	: Not available.
Oxidising properties	: Not available.
Particle characteristics	
Median particle size	: Not applicable.

Epoxy Floor Paint - Resin

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 : No specific data.
- 10.5 Incompatible materials : No specific data.
- 10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity

Product/ingredient name	Result	Value
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane benzyl alcohol	Rabbit - Dermal - LD50	20 g/kg
	Rat - Oral - LD50	1660 mg/kg
	Rabbit - Dermal - LD50	2000 mg/kg
	Rat - Inhalation - LC50 Dusts and mists	4,178 mg/l [4 hours]

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

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Epoxy Floor Paint - Resin 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane benzyl alcohol	10000	N/A	N/A	N/A	34,8
	N/A	20000	N/A	N/A	N/A
	1200	N/A	N/A	N/A	4,178

Skin corrosion/irritation

Product/ingredient name	Result	Exposure	Observation
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	Rabbit - Skin - Mild irritant	Amount/concentration applied: 500 mg	-
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Rabbit - Skin - Mild irritant	Amount/concentration applied: 500 uL	-
	Rabbit - Skin - Erythema/Eschar	-	Observation period: 72 hours

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SECTION 11: Toxicological information

benzyl alcohol	Pig - Skin - Moderate irritant	Amount/concentration applied: 100 %	-
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Conclusion/Summary [Product] : Causes skin irritation.

Ingredient name

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

benzyl alcohol

Conclusion/Summary

Causes skin irritation.

Slightly irritating to the skin.

Serious eye damage/eye irritation

Product/ingredient name	Result	Exposure	Observation
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	Rabbit - Eyes - Severe irritant	Amount/concentration applied: 2 mg	-
benzyl alcohol	Rabbit - Eyes - Irritant	-	-

Conclusion/Summary [Product] : Causes serious eye irritation.

Ingredient name

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

benzyl alcohol

Conclusion/Summary

Causes serious eye irritation.

Slightly irritating to the eyes.

Respiratory corrosion/irritation

Not available.

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

Ingredient name

benzyl alcohol

Conclusion/Summary

May cause respiratory irritation.

Respiratory or skin sensitization

Product/ingredient name	Species - Route of exposure	Result
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Mouse - skin	Result: Sensitising
	Guinea pig - skin	Result: Sensitising
	Guinea pig - skin	Result: Sensitising
	Guinea pig - skin	Result: Sensitising

Skin

Conclusion/Summary [Product] : May cause an allergic skin reaction.

Ingredient name

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

benzyl alcohol

Conclusion/Summary

May cause an allergic skin reaction.

Non-sensitiser to skin.

Respiratory

SECTION 11: Toxicological information

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

Ingredient name

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

Conclusion/Summary

May cause sensitisation by inhalation.

Germ cell mutagenicity

Product/ingredient name	Species - Route of exposure	Result
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Bacteria	Result: Positive
	In vitro - Mammalian-Animal	Result: Positive
	In vitro - Mammalian-Animal	Result: Positive
	Mammalian-Animal	Result: Negative
	In vivo - Mammalian-Animal	Result: Negative
	In vitro - Mammalian-Animal	Result: Positive

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

Carcinogenicity

Product/ingredient name	Species - Route of exposure	Result
Benzyl alcohol	Rat - Oral - TD	Result: Negative

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

Ingredient name

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

Conclusion/Summary

An allergen. Will cause dermatitis. Sensitive individuals may develop eczema and/or asthma on inhalation of this material. Laboratory experiments have shown mutagenic effects.

Reproductive toxicity

Product/ingredient name	Species - Route of exposure	Dose - Exposure	Effects
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Rat - Oral	540 mg/kg	-

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

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

SECTION 11: Toxicological information

Not available.

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.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Delayed and immediate effects as well as 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

Not available.

- Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.
- 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** : No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

- Conclusion/Summary [Product]** : 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

12.1 Toxicity

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SECTION 12: Ecological information

Product/ingredient name	Result	Species
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Acute - EC50 2 mg/l [24 hours]	Daphnia spec.
	Acute - LC50 2 mg/l [96 hours]	Fish
	Acute - EC50 1,8 mg/l [72 hours]	Algae
	Acute - EC50 1,6 mg/l [48 hours]	Daphnia spec.
	Acute - IC50 >100 mg/l [3 hours]	Bacteria
	Acute - LC50 0,55 mg/l [96 hours]	Fish
	Chronic - NOEC 0,3 mg/l [21 days]	Daphnia spec.
benzyl alcohol	Acute - EC50 770 mg/l [72 hours]	Algae
	Acute - LC50 646 mg/l [48 hours]	Fish
	Acute - LC50 - Fresh water 460 mg/l [96 hours]	Fish - Fathead minnow - Juvenile (Fledgling, Hatchling, Weanling)
	Acute - NOEC 310 mg/l [72 hours]	Algae
	Acute - LC50 - Fresh water 10 ppm [96 hours]	Fish - Bluegill

Conclusion/Summary [Product]	: Toxic to aquatic life with long lasting effects.
Ingredient name	Conclusion/Summary
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	Toxic to aquatic life.

12.2 Persistence and degradability

Product/ingredient name	Test	Result
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	-	6 to 12% [28 days] - Not readily
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	-	0% [28 days] - Not readily
	-	16% [28 days] - Not readily
benzyl alcohol	-	96% [21 days] - Readily

Conclusion/Summary [Product]	: No results available. This product has not been tested for biodegradation.
Ingredient name	Conclusion/Summary
benzyl alcohol	Readily biodegradable

SECTION 12: Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane	-	-	Not readily
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	-	-	Not readily
benzyl alcohol	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane	3,242	3 to 31	Low
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	2,7	150	Low
benzyl alcohol	0,87	-	Low

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name	logKoc	Koc
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	4	10465,7
benzyl alcohol	1,1	12,6442

Results of PMT and vPvM assessment

Product/ingredient name	PMT	P	M	T	vPvM	vP	vM
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane	No	No	No	No	No	No	No
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	No	No	No	No	No	No	No
benzyl alcohol	No	No	No	No	No	No	No

Mobility : Not available.

Conclusion/Summary : The product does not meet the criteria to be considered as a PMT or vPvM.

12.5 Results of PBT and vPvB assessment

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

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane	No	N/A	No	No	No	N/A	No
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	No	N/A	No	No	No	N/A	No
benzyl alcohol	No	N/A	N/A	No	N/A	N/A	N/A

SECTION 12: Ecological information

Regulation (EC) No. 1272/2008 [CLP]

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane	No	No	No	No	No	No	No
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	No	No	No	No	No	No	No
benzyl alcohol	No	No	No	No	No	No	No

Conclusion/Summary Regulation (EC) No. 1272/2008 [CLP] : The product does not meet the criteria to be considered as a PBT or vPvB.

12.6 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product] : 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.

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 : Yes.

European waste catalogue (EWC)

Waste code	Waste designation
20 01 27*	paint, inks, adhesives and resins containing hazardous substances

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. (PAINT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PAINT)
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.

Additional information ADR

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.

- Limited quantity : 5L
- Transport Category : 3
- Hazard identification number : 90
- Classification code : M6
- ADR Label Model Number : 9
- Excepted Quantity : E1
- Tunnel code : ()
- Packing instructions : P001, IBC03, LP01, R001
- Mixed Packing Provisions : MP19
- Special Packing Provisions : PP1
- Special provisions : 274, 335, 375, 601, 650

Additional information 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.

- Limited quantity : 5L
- Classification code : M6
- Special provisions : 274, 335, 375, 601
- Remarks : ≤ 5L: Limited Quantity

Additional information 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.

- Limited quantity : 5L
- Emergency schedules : F-A, S-F

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Special provisions : 274, 335, 375, 969
Remarks : ≤ 5L: Limited Quantity - IMDG 3.4

Additional information 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.

Passenger and Cargo Aircraft : Quantity limitation 450L Packaging instruction 964
Cargo aircraft : Quantity limitation 450L Packaging instruction 964
Limited Quantities - Passenger Aircraft : Quantity limitation 30L Packaging instruction Y964
Special provisions : A97, A158, A197, A215

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 available.

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
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	%	Designation [Usage]
Epoxy Floor Paint - Resin	≥90	3

Labelling : Not applicable.

Synthetic polymer microparticles - Designation 78

Generic identity of polymer(s) : Not applicable.

Total percentage of synthetic polymer microparticles : Not applicable.

Other EU regulations

VOC : The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.
VOC for Ready-for-Use Mixture : II A/j. Two-pack reactive performance coatings for specific end use such as floors. EU limit value for this product : 500g/l (2010.) This product contains a maximum of 45 g/l VOC.

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SECTION 15: Regulatory information

- Industrial emissions (integrated pollution prevention and control) - Air : Not listed
- Industrial emissions (integrated pollution prevention and control) - Water : Not listed
- Explosive precursors : Not applicable.

Ozone depleting substances (EU 2024/590)
Not listed.

Prior Informed Consent (PIC) (649/2012/EC)
Not listed.

Persistent Organic Pollutants (850/2004/EC)
Not listed.

Seveso Directive
This product is controlled under the Seveso Directive.
Danger criteria

Category
E2

Ireland

Biocidal products regulation : Not applicable.

References : Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001 (S.I. No. 619 of 2001)
Safety, Health and Welfare at Work (Carcinogens) Regulations 2001 (S.I. No. 78 of 2001)
Safety, Health and Welfare at Work (General Application) Regulations 2007
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2020/878
REGULATION (EU) 2016/425 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

International regulations
Stockholm Convention on Persistent Organic Pollutants

List name	Ingredient name	Status
Not listed.		

Rotterdam Convention on Prior Informed Consent (PIC)
Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

List name	Ingredient name	Status
Not listed.		

CN code : 3208 10 90 00

Inventory list

- Australia : All components are listed or exempted.
- Canada : All components are listed or exempted.
- China : All components are listed or exempted.

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SECTION 15: Regulatory information

Eurasian Economic Union	: Russian Federation inventory: All components are listed or exempted.
Japan	: Japan inventory (CSCL): All components are listed or exempted. Japan inventory (ISHL): Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: All components are listed or exempted.
United States	: Not determined.
Viet Nam	: Not determined.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments are still required.

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] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative
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Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	Calculation method Calculation method Calculation method Calculation method

Full text of abbreviated H statements

Ireland	
Full text of abbreviated H statements	: H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]	: Acute Tox. 4 ACUTE TOXICITY - Category 4 Aquatic Chronic 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2 Skin Sens. 1 SKIN SENSITISATION - Category 1 Skin Sens. 1A SKIN SENSITISATION - Category 1A Skin Sens. 1B SKIN SENSITISATION - Category 1B
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Date of printing : 27/02/2026

Epoxy Floor Paint - Resin

SECTION 16: Other information

Date of issue/ Date of revision : 26/02/2026

Date of previous issue : 24/10/2024

Version : 5.01

Notice to reader

IMPORTANT NOTE: The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information contained in this data sheet (as may be amended from time to time) is not intended to be exhaustive and is presented in good faith and believed to be correct as of the date on which it is prepared. It is the user's responsibility to verify that this data sheet is current prior to using the product to which it relates. Persons using the information must make their own determinations as to the suitability of the relevant product for their purposes prior to use. Where those purposes are other than as specifically recommended in this safety data sheet, then the user uses the product at their own risk.

MANUFACTURER'S DISCLAIMER: the conditions, methods and factors affecting the handling, storage, application, use and disposal of the product are not under the control and knowledge of the manufacturer. Therefore the manufacturer does not assume responsibility for any adverse events which may occur in the handling, storage, application, use, misuse or disposal of the product and, so far as permitted by applicable law, the manufacturer expressly disclaims liability for any and all loss, damages and/or expenses arising out of or in any way connected to the storage, handling, use or disposal of the product. Safe handling, storage, use and disposal are the responsibility of the users. Users must comply with all applicable health and safety laws.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.