

SAFETY DATA SHEET

INSTALLATION SOLUTIONS

Printing: 3/14/2025 Date of compilation: 7/23/2024 Revised: 7/23/2024 Version: 2 (Replaced 1)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Standard EU V-100 Epoxy Grout Resin

Other means of identification:

UFI: Q9J9-J0MG-H00S-6EJW

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

Relevant uses (Industrial user): Adhesive

For Industrial user only.

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

AEV LIMITED Marion Street

CH416LT Birkenhead - WIRRAL - United Kingdom

Phone: 0044 (0) 151 647 3322

aev@aev.co.uk www.aev.co.uk

1.4 Emergency telephone number: ECOSTAR Environmental 0044 (0) 172 4732 138 (Monday to Friday 09.00 - 17.00) 0044 (0)

800 2461 274 (Out of office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411

Eye Irrit. 2: Eye irritation, Category 2, H319

Skin Irrit. 2: Skin irritation, Category 2, H315

Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning





Hazard statements:

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P261: Avoid breathing vapours

P264: Wash thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P391: Collect spillage.

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Supplementary information:

EUH205: Contains epoxy constituents. May produce an allergic reaction.

SECTION 2: HAZARDS IDENTIFICATION (continued)

Substances that contribute to the classification

[[(2-ethylhexyl)oxy]methyl]oxirane (CAS: 2461-15-6)

UFI: Q9J9-J0MG-H00S-6EJW

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Epoxides

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification		Chemical name/Classification	Concentration			
CAS:	1675-54-3	Bis-[4-(2,3-epoxipro	Bis-[4-(2,3-epoxipropoxi)phenyl]propane ⁽⁴⁾ Self-classified				
EC: 216-823-5 Index: 603-073-00-2 REACH: 01-2119456619-26- XXXX		Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	30 - <70 %			
CAS: EC:	2461-15-6 219-553-6	[[(2-ethylhexyl)oxy	methyl]oxirane(1) Self-classified				
Index: REACH:	Not relevant 01-2119962196-31- XXXX	Regulation 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1A: H317 - Warning	1 - <30 %			
CAS: 9003-36-5 EC: 500-006-8		Formaldehyde, oligo phenol ⁽¹⁾	meric reaction products with 1-chloro-2,3-epoxypropane and Self-classified				
Index: REACH:	Not relevant 01-2119454392-40- XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Irrtt. 2: H315; Skin Sens. 1: H317 - Warning	1 - <30 %			
CAS:	107-21-1	Ethanediol ⁽²⁾	Self-classified				
EC: 203-473-3 Index: 603-027-00-1 REACH: 01-2119456816-28- XXXX	Regulation 1272/2008	Acute Tox. 4: H302; STOT RE 2: H373 - Warning	<1%				

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
Bis-[4-(2,3-epoxipropoxi)phenyl]propane CAS: 1675-54-3 EC: 216-823-5	% (w/w) >=5: Skin Init, 2 - H315 % (w/w) >=5: Eye Init, 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product,

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

⁽²⁾ Substance with a Union workplace exposure limit

SECTION 4: FIRST AID MEASURES (continued)

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

Unisorb Issue Date: April 10, 2025 Page 3 of 28 Reference: GB-0003-06-GD-E

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

	Identification	Occ	Occupational exposure limits				
Ethanediol (1)		WEL (8h)	20 ppm	52 mg/m ³			
CAS: 107-21-1	EC: 203-473-3	WEL (15 min)	40 ppm	104 mg/m ³			
Limestone		WEL (8h)	1,	4 mg/m ³			
CAS: 1317-65-3	EC: 215-279-6	WEL (15 min)		380780800			

(1) Skin

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

- 0.555	Short	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Bis-[4-(2,3-epoxipropoxi)phenyl]propane	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 1675-54-3	Dermal	Not relevant	Not relevant	0.75 mg/kg	Not relevant
EC: 216-823-5	Inhalation	Not relevant	Not relevant	4.93 mg/m³	Not relevant
[[(2-ethylhexyl)oxy]methyl]oxirane	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2461-15-6	Dermal	1 mg/kg	Not relevant	4.17 mg/kg	Not relevant
BC: 219-553-6	Inhalation	Not relevant	Not relevant	Not relevant	Not relevant
Formaldehyde, oligomeric reaction products with 1-chloro- 2,3-epoxypropane and phenol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 9003-36-5	Dermal	Not relevant	Not relevant	104.15 mg/kg	Not relevant
EC: 500-006-8	Inhalation	Not relevant	Not relevant	29.39 mg/m³	Not relevant
Ethanediol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 107-21-1	Dermal	Not relevant	Not relevant	106 mg/kg	Not relevant
EC: 203-473-3	Inhalation	Not relevant	Not relevant	Not relevant	35 mg/m ³

DNEL (General population):

		Short	t exposure	Long	exposure
Identification		Systemic	Local	Systemic	Local
Bis-[4-(2,3-epoxipropoxi)phenyl]propane	Oral	Not relevant	Not relevant	0.5 mg/kg	Not relevant
CAS: 1675-54-3	Dermal	Not relevant	Not relevant	0.0893 mg/kg	Not relevant
SC: 216-823-5	Inhalation	Not relevant	Not relevant	0.87 mg/m³	Not relevant
[[(2-ethylhexyl)oxy]methyl]oxirane	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2461-15-6	Dermal	0.5 mg/kg	Not relevant	2.5 mg/kg	Not relevant
EC: 219-553-6	Inhalation	Not relevant	Not relevant	Not relevant	Not relevant
Formaldehyde, oligomeric reaction products with 1-chloro- 2,3-epoxypropane and phenol	Oral	Not relevant	Not relevant	6.25 mg/kg	Not relevant
CAS: 9003-36-5	Dermal	Not relevant	Not relevant	62.5 mg/kg	Not relevant
EC: 500-006-8	Inhalation	Not relevant	Not relevant	8.7 mg/m³	Not relevant
Ethanediol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 107-21-1	Dermal	Not relevant	Not relevant	53 mg/kg	Not relevant
EC: 203-473-3	Inhalation	Not relevant	Not relevant	Not relevant	7 mg/m³

PNEC:

Identification				
Bis-[4-(2,3-epoxipropoxi)phenyl]propane	STP	10 mg/L	Fresh water	0.006 mg/L
CAS: 1675-54-3	Soil	0.065 mg/kg	Marine water	0.001 mg/L
EC: 216-823-5	Intermittent	0.018 mg/L	Sediment (Fresh water)	0.341 mg/kg
	Oral	0.011 g/kg	Sediment (Marine water)	0.034 mg/kg
[[(2-ethylhexyl)oxy]methyl]oxirane	STP	10 mg/L	Fresh water	0.007 mg/L
CAS: 2461-15-6	Soil	57.16 mg/kg	Marine water	0.001 mg/L
EC: 219-553-6	Intermittent	0.072 mg/L	Sediment (Fresh water)	286.66 mg/kg
	Oral	Not relevant	Sediment (Marine water)	28.66 mg/kg
Formaldehyde, oligomeric reaction products with 1-chloro- 2,3-epoxypropane and phenol	STP	10 mg/L	Fresh water	0.003 mg/L
CAS: 9003-36-5	Soil	0.237 mg/kg	Marine water	0 mg/L
EC: 500-006-8	Intermittent	0.025 mg/L	Sediment (Fresh water)	0.294 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.029 mg/kg
Ethanediol	STP	199.5 mg/L	Fresh water	10 mg/L
CAS: 107-21-1	Soil	1.53 mg/kg	Marine water	1 mg/L
EC: 203-473-3	Intermittent	10 mg/L	Sediment (Fresh water)	37 mg/kg
	Oral	Not relevant	Sediment (Marine water)	3.7 mg/kg

Unisorb Issue Date: April 10, 2025 Page 5 of 28 Reference: GB-0003-06-GD-E

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: A)	CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Protective gloves against minor risks	CE		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.	CATII	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CATII	EN ISO 20347:2022	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345;2022 y EN 13832-1;2019

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

Volatile organic compounds:

Unisorb Issue Date: April 10, 2025 Page 6 of 28 Reference: GB-0003-06-GD-E

Not available *

Not available *

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

V.O.C. density at 25 °C: 0 kg/m³ (0 g/L)

Average carbon number: Not relevant

Average molecular weight: Not relevant

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C:

Appearance:

Colour:

Odour:

Not available *

Volatility:

Odour threshold:

Boiling point at atmospheric pressure: 197 - 2230 °C

Vapour pressure at 25 °C: 14 Pa

Vapour pressure at 50 °C: 90.35 Pa (0.09 kPa)

Evaporation rate at 25 °C: Not available *

Product description:

Density at 25 °C: 1724.4 kg/m³

Relative density at 25 °C: 1.724

Not available * Dynamic viscosity at 25 °C: Not available * Kinematic viscosity at 25 °C: Kinematic viscosity at 40 °C: >20.5 mm²/s Concentration: Not available * pH: Not available * Not available * Vapour density at 25 °C: Not available * Partition coefficient n-octanol/water 25 °C: Solubility in water at 25 °C: Not available * Not available * Solubility properties:

Melting point/freezing point: Not available *

Flammability:

Flash Point: Non Flammable (>60 °C)

Flammability (solid, gas): Not available *

Autoignition temperature: 400 °C

Lower flammability limit: Not available *
Upper flammability limit: Not available *

Particle characteristics:

Decomposition temperature:

Median equivalent diameter: Not available *

*Not available due to the nature of the product, not providing information property of its hazards.

Unisorb Issue Date: April 10, 2025 Page **7** of **28 Reference: GB-0003-06-GD-E**

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:

Oxidising properties:

Corrosive to metals:

Heat of combustion:

Aerosols-total percentage (by mass) of flammable

Not available *

Not available *

components:

Other safety characteristics:

Surface tension at 25 °C: Not available *

Refraction index: Not available *

*Not available due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

	Acids	Water	Oxidising materials	Combustible materials	Others
Г	Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
 - Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

Unisorb Issue Date: April 10, 2025 Page 8 of 28 Reference: GB-0003-06-GD-E

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

B- Inhalation (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Produces skin inflammation.
 - Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.

IARC: Bis-[4-(2,3-epoxipropoxi)phenyl]propane (3); Glass, oxide, chemicals (1)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met.
 However, it does contain substances classified as hazardous for this effect. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute	toxicity	Genus
[[(2-ethylhexyl)oxy]methyl]oxirane	LD50 oral	>5000 mg/kg	Rat
CAS: 2461-15-6 EC: 219-553-6	LD50 dermal	45 55	Ť
	LC50 inhalation	- i	- 3
	LC50 inhalation vapour		0
Ethanediol	LD50 oral	500 mg/kg	
CAS: 107-21-1	LD50 dermal	>3500 mg/kg	Rabbit
EC: 203-473-3	LC50 inhalation		
	LC50 inhalation vapour		

Acute Toxicity Estimate (ATE mix):

	ATE mix	Ingredient(s) of unknown toxicity		
Oral	>2000 mg/kg (Calculation method)	0 %		
Dermal	>2000 mg/kg (Calculation method)	0 %		
LC50 inhalation vapour	>20 mg/L (4 h) (Calculation method)	0 %		

11.2 Information on other hazards:

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available Toxic to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

Identification	1	Concentration	Species	Genus
Bis-[4-(2,3-epoxipropoxi)phenyl]propane	LC50	2 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 1675-54-3	EC50	1.7 mg/L (48 h)	Daphnia magna	Crustacean
EC; 216-823-5	EC50	9.4 mg/L (72 h)	Scenedesmus subspicatus	Algae
[[(2-ethylhexyl)oxy]methyl]oxirane	LC50	5000 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 2461-15-6	EC50	Not relevant		
EC; 219-553-6	EC50	Not relevant		
Formaldehyde, oligomeric reaction products with 1-chloro-2,3- epoxypropane and phenol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 9003-36-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC; 500-006-8	EC50	>1 - 10 mg/L (72 h)		Algae
Ethanediol	LC50	53000 mg/L (96 h)	Pimephales promelas	Fish
CAS: 107-21-1	EC50	51000 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-473-3	EC50	24000 mg/L (168 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
Bis-[4-(2,3-epoxipropoxi)phenyl]propane	NOEC	Not relevant		
CAS: 1675-54-3 EC: 216-823-5	NOEC	0.3 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	D	egradability	Biod	Biodegradability	
Bis-[4-(2,3-epoxipropoxi)phenyl]propane	BOD5	Not relevant	Concentration	Not relevant	
CAS: 1675-54-3	COD	Not relevant	Period	28 days	
EC: 216-823-5	BOD5/COD	Not relevant	% Biodegradable	5 %	
[[(2-ethylhexyl)oxy]methyl]oxirane	BOD5	Not relevant	Concentration	100 mg/L	
CAS: 2461-15-6	COD	Not relevant	Period	28 days	
EC: 219-553-6	BOD5/COD	Not relevant	% Biodegradable	0 %	
Ethanediol .	BOD5	0.47 g O2/g	Concentration	100 mg/L	
CAS: 107-21-1	COD	1.29 g O2/g	Period	14 days	
EC: 203-473-3	BOD5/COD	0.36	% Biodegradable	90 %	

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bir	paccumulation potential
Bis-[4-(2,3-epoxipropoxi)phenyl]propane	BCF	31
CAS: 1675-54-3	Pow Log	3
EC: 216-823-5	Potential	Moderate

Unisorb Issue Date: April 10, 2025 Page 10 of 28 Reference: GB-0003-06-GD-E

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential		
[[(2-ethylhexyl)oxy]methyl]oxirane	BCF	355	
CAS: 2461-15-6	Pow Log		
BC: 219-553-6	Potential	High	
Ethanediol	BCF	10	
CAS: 107-21-1	Pow Log	-1.36	
EC: 203-473-3	Potential	Low	

12.4 Mobility in soil:

Identification	Absorp	Absorption/desorption		Volatility	
Bis-[4-(2,3-epoxipropoxi)phenyl]propane	Koc	450	Henry	Not relevant	
CAS: 1675-54-3	Conclusion	Low	Dry soil	Not relevant	
EC: 216-823-5	Surface tension	Not relevant	Moist soil	Not relevant	
Ethanediol	Koc	0	Henry	1.327E-1 Pa·m³/mol	
CAS: 107-21-1	Conclusion	Very High	Dry soil	Not relevant	
EC: 203-473-3	Surface tension	4.989E-2 N/m (25 °C)	Moist soil	Not relevant	

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

	Code	Description	Waste class (Regulation (EU) No 1357/2014)
Г	08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP13 Sensitising, HP4 Irritant - skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, The Waste Regulations 2011, 2011 No. 988). As under 15 01 (2014/955/EU) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION **

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:

Unisorb Issue Date: April 10, 2025 Page 11 of 28 Reference: GB-0003-06-GD-E

SECTION 14: TRANSPORT INFORMATION ** (continued)



14.1 UN number or ID number: UN3082

14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bis-

[4-(2,3-epoxipropoxi)phenyl]propane)

14.3 Transport hazard class(es):

Labels:

14.4 Packing group: III 14.5 Environmental hazards: Yes

14.6 Special precautions for user

Special regulations: 274, 335, 375, 601

Tunnel restriction code:

Physico-Chemical properties: see section 9

Limited quantities:

14.7 Maritime transport in bulk according to IMO instruments:

Not relevant

UN3082

Transport of dangerous goods by sea:

With regard to IMDG 41-22:

14.1 UN number or ID number:

14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bis-

[4-(2,3-epoxipropoxi)phenyl]propane)

14.3 Transport hazard class(es): 9

Labels: 14.4 Packing group: III

14.5 Marine pollutant: Yes

14.6 Special precautions for user

Special regulations: 335, 969, 274 EmS Codes: F-A. S-F Physico-Chemical properties: see section 9

Limited quantities:

Not relevant Segregation group: 14.7 Maritime transport in bulk

according to IMO instruments:

Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2025:



14.1 UN number or ID number: UN3082

14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bis-

[4-(2,3-epoxipropoxi)phenyl]propane)

14.3 Transport hazard class(es): 9

Labels: 14.4 Packing group: III

14.6 Special precautions for user

14.5 Environmental hazards:

Physico-Chemical properties: see section 9

14.7 Maritime transport in bulk

according to IMO instruments:

Not relevant

Yes

** Changes with regards to the previous version

SECTION 15: REGULATORY INFORMATION

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

SECTION 15: REGULATORY INFORMATION (continued)

- (Puerto Rico, USA); Bis-[4-(2,3-epoxipropoxi)phenyl]propane (1675-54-3); [[(2-ethylhexyl)oxy]methyl]oxirane (2461-15-6); Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5); Ethanediol (107-21-1)
- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS	200	500

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- -games for one or more participants, or any article intended to be used as such, even with ornamental aspects.
- Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits

The Waste Regulations 2011, 2011 No. 988

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

TRANSPORT INFORMATION (SECTION 14):

- · UN number
- Packing group

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Unisorb Issue Date: April 10, 2025 Page 13 of 28 Reference: GB-0003-06-GD-E

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method Skin Sens. 1A: Calculation method Aquatic Chronic 2: Calculation method Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor LD50: Lethal Dose 50

LC50: Lethal Concentration 50 EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon UFI: unique formula identifier

IARC: International Agency for Research on Cancer

Unisorb Issue Date: April 10, 2025 Page 14 of 28 Reference: GB-0003-06-GD-E



SAFETY DATA SHEET

INSTALLATION SOLUTIONS

Printing: 3/14/2025 Date of compilation: 7/23/2024 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Standard EU V-100 Epoxy Grout Hardener

Other means of identification:

UFI: QXH9-H0UW-900T-J27N

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

Relevant uses (Industrial user): Hardener for adhesives

For Industrial user only.

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

AEV LIMITED Marion Street

CH416LT Birkenhead - WIRRAL - United Kingdom

Phone: 0044 (0) 151 647 3322

aev@aev.co.uk www.aev.co.uk

1.4 Emergency telephone number:

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Acute Tox. 4: Acute toxicity, Category 4, H302+H312

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

Eye Dam. 1: Serious eye damage, Category 1, H318

Skin Corr. 1B: Skin corrosion, Category 1B, H314

Skin Sens. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger





Hazard statements:

Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Precautionary statements:

P264: Wash thoroughly after handling.

P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352: IF ON SKIN: Wash with plenty of water.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Substances that contribute to the classification

2-piperazin-1-ylethylamine (CAS: 140-31-8); 3,6-diazaoctanethylenediamin (CAS: 112-24-3)

UFI: QXH9-H0UW-900T-J27N

Unisorb Issue Date: April 10, 2025 Page 15 of 28 Reference: GB-0003-06-GD-E

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not relevant

3.2 Mixture:

Chemical description: Formulated polyamines

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

	Identification		Chemical name/Classification	Concentration
CAS: EC: Index: REACH:	140-31-8	2-piperazin-1-ylethy	2-piperazin-1-ylethylamine(1) ATP CLP00	
	205-411-0 612-105-00-4 : 01-2119471486-30- XXX	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquetic Chronic 3: H412; Skin Corr. 18: H314; Skin Sens. 1: H317 - Danger	30 - <70 %
CAS:	112-24-3	3,6-diazaoctanethyl	enediamin(1) ATP CLP00	Comment
Index: REACH:	203-950-6 612-059-00-5 Not relevant	Regulation 1272/2008	Acute Tox. 4: H312; Aquatic Chronic 3: H412; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	30 - <70 %
CAS:	The second secon	Aniline ⁽²⁾ Self-classified		
EC: Index: REACH:		Regulation 1272/2008	Acute Tox. 3: H301+H311+H331; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Carc. 2: H351; Eye Dam. 1: H318; Muta. 2: H341; Skin Sens. 1B: H317; STOT RE 1: H372 - Danger	<1 %
CAS: EC: Index: REACH:	98-95-3	THE CONTROL OF THE CO		63 89000
	202-716-0 609-003-00-7 01-2119615439-35- XXX	Regulation 1272/2008	Acute Tox. 3: H301+H311+H331; Aquatic Chronic 3: H412; Carc. 2: H351; Repr. 1B: H360P; STOT RE 1: H372 - Danger	<1 %

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute	Acute toxicity		
2-piperazin-1-ylethylamine	LD50 oral	500 mg/kg		
CAS: 140-31-8	LD50 dermal	1100 mg/kg		
BC: 205-411-0	LC50 inhalation vapour	Not relevant	- 0	
3,6-diazaoctanethylenediamin	LD50 oral	Not relevant		
CAS: 112-24-3 EC: 203-950-6	LD50 dermal	1100 mg/kg	ŝ	
	LC50 inhalation vapour	Not relevant		
Aniline	LD50 oral	102 mg/kg	Rat	
CAS: 62-53-3	LD50 dermal	839 mg/kg	Rabbit	
EC: 200-539-3	LC50 inhalation vapour	3,27 mg/L	Rat	
nitrobenzene	LD50 oral	100 mg/kg		
CAS: 98-95-3	LD50 dermal	300 mg/kg	1	
EC: 202-716-0	LC50 inhalation vapour	2.85 mg/L	Rat	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

⁽²⁾ Substance with a Union workplace exposure limit

SECTION 4: FIRST AID MEASURES (continued)

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and Self Contained Breathing Apparatus. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

Unisorb Issue Date: April 10, 2025 Page 17 of 28 Reference: GB-0003-06-GD-E

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be assessed in the workplace:

Unisorb Issue Date: April 10, 2025 Page 18 of 28 Reference: GB-0003-06-GD-E

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

	Identification		Occupational exposure limits			
Diphenylamine		WEL (8h)		10 mg/m ³		
CAS: 122-39-4	EC: 204-539-4	WEL (15 min)		20 mg/m ³		
Anfine (1)		WEL (8h)	1 ppm	4 mg/m ³		
CAS: 62-53-3	EC: 200-539-3	WEL (15 min)		¥ -		
nitrobenzene	Supplemental suppl	WEL (8h)	0.2 ppm	1 mg/m ³		
CAS: 98-95-3	EC: 202-716-0	WEL (15 min)		0.00		

(1) Skin

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
2-piperazin-1-ylethylamine	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 140-31-8	Dermal	Not relevant	Not relevant	3.33 mg/kg	Not relevant
EC: 205-411-0	Inhalation	10.6 mg/m ³	80 mg/m³	10.6 mg/m³	0.015 mg/m³
Aniline	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 62-53-3	Dermal	4 mg/kg	Not relevant	2 mg/kg	Not relevant
EC: 200-539-3	Inhalation	15.4 mg/m³	Not relevant	7.7 mg/m³	Not relevant

DNEL (General population):

Not relevant

PNEC:

Identification				
2-piperazin-1-ylethylamine	STP	250 mg/L	Fresh water	0.058 mg/L
CAS: 140-31-8	Soil	1 mg/kg	Marine water	0.006 mg/L
EC: 205-411-0	Intermittent	0.58 mg/L	Sediment (Fresh water)	215 mg/kg
	Oral	Not relevant	Sediment (Marine water)	21.5 mg/kg
Aniline	STP	2 mg/L	Fresh water	0.001 mg/L
CAS: 62-53-3	Soil	0.033 mg/kg	Marine water	0 mg/L
EC: 200-539-3	Intermittent	Not relevant	Sediment (Fresh water)	0.153 mg/kg
	Oral	2.3 g/kg	Sediment (Marine water)	0.015 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: K)	CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	C E CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

Unisorb Issue Date: April 10, 2025 Page 19 of 28 Reference: GB-0003-06-GD-E

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face	Face shield	CATII	EN 166:2002 UNE-EN ISO 18526-1 al 4:2020 UNE-EN ISO 18526-1 al 4:2020 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory complete body protection	Disposable clothing for protection against chemical risks	CAT III	EN 13034:2005+A1:2009 UNE-EN ISO 18526-1 al 4:2020 EN ISO 13982- 1:2005/A1:2011 EN ISO 6529:2013 EN ISO 6530:2005 EN 464:1995	For professional use only. Clean periodically according to the manufacturer's instructions.
Mandatory foot protection	Safety footwear for protection against chemical risk	CAT III	EN ISO 20345;2022 EN 13832-1;2019	Replace boots at any sign of deterioration.

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1;2011, ISO 3864-4;2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

V.O.C. density at 25 °C: 0.01 kg/m³ (0.01 g/L)

Average carbon number: 6

Average molecular weight: 101.69 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 °C: Liquid

Appearance: Not available *

Colour: Blue

Odour: Not available *

*Not available due to the nature of the product, not providing information property of its hazards.

Unisorb Issue Date: April 10, 2025 Page 20 of 28 Reference: GB-0003-06-GD-E

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Odour threshold: Not available *

Volatility:

Boiling point at atmospheric pressure: 180 - 2230 °C

Vapour pressure at 25 °C: 6 Pa

45.25 Pa (0.05 kPa) Vapour pressure at 50 °C: Evaporation rate at 25 °C: Not available *

Product description:

Density at 25 °C: 981.8 kg/m3 Relative density at 25 °C: 0.982 Dynamic viscosity at 25 °C: 36.41 mPa·s Kinematic viscosity at 25 °C: 37.08 mm²/s Not available * Kinematic viscosity at 40 °C: Concentration: Not available * Not available * pH: Not available * Vapour density at 25 °C: Not available * Partition coefficient n-octanol/water 25 °C: Not available * Solubility in water at 25 °C: Solubility properties: Not available * Not available * Decomposition temperature:

Flammability:

Flash Point: 114 °C

Flammability (solid, gas): Not available *

338 °C Autoignition temperature:

Lower flammability limit: Not available * Not available * Upper flammability limit:

Particle characteristics:

Melting point/freezing point:

Not available * Median equivalent diameter:

9.2 Other information:

Information with regard to physical hazard classes:

Not available * Explosive properties: Not available * Oxidising properties: Not available * Corrosive to metals: Heat of combustion: 11.64 kJ/g

Aerosols-total percentage (by mass) of flammable

Not available *

Other safety characteristics:

Surface tension at 25 °C: Not available * Refraction index: Not available *

*Not available due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Unisorb Issue Date: April 10, 2025 Page 21 of 28 Reference: GB-0003-06-GD-E

Not available *

SECTION 10: STABILITY AND REACTIVITY (continued)

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- A- Ingestion (acute effect):
 - Acute toxicity: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
 - Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.
- B- Inhalation (acute effect):
 - Acute toxicity: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
 - Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns.
 For more information on the secondary effects see section 2.
 - Contact with the eyes: Produces serious eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met. However, it contains substances classified
 as dangerous with carcinogenic effects. For more information see section 3.
 IARC: Aniline (2A); nitrobenzene (2B)
 - Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
 - Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:

Unisorb Issue Date: April 10, 2025 Page 22 of 28 Reference: GB-0003-06-GD-E

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met.
 However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- H- Aspiration hazard

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

Identification	Acute	Genus	
2-piperazin-1-ylethylamine	LD50 oral	500 mg/kg	
CAS: 140-31-8	LD50 dermal	1100 mg/kg	i v
EC: 205-411-0	LCS0 inhalation		
	LC50 inhalation vapour		
3,6-diazaoctanethylenediamin	LD50 oral	2100 mg/kg	Rat
CAS: 112-24-3 EC: 203-950-6	LD50 dermal	1100 mg/kg	- 36
	LCS0 inhalation		g.c.
	LC50 inhalation vapour		
Aniline	LD50 oral	102 mg/kg	Rat
CAS: 62-53-3	LD50 dermal	839 mg/kg	Rabbi
EC; 200-539-3	LCS0 inhalation vapour	3.27 mg/L	Rat
nitrobenzene	LD50 oral	100 mg/kg	62
CAS: 98-95-3	LD50 dermal	300 mg/kg	
EC: 202-716-0	LC50 inhalation vapour	2.85 mg/L	Rat

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity	
Oral	793.65 mg/kg (Calculation method)	0 %	
Dermal	1104.42 mg/kg (Calculation method)	0 %	
LC50 inhalation vapour	>20 mg/L (4 h) (Calculation method)	0 %	

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Unisorb Issue Date: April 10, 2025 Page 23 of 28 Reference: GB-0003-06-GD-E

SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification		Concentration	Species	Genus	
2-piperazin-1-ylethylamine	LC50	2190 mg/L (96 h)	Pimephales promelas	Fish	
CAS: 140-31-8	EC50	58 mg/L (48 h)	Daphnia magna	Crustacean	
EC: 205-411-0	EC50	1000 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae	
3,6-diazaoctanethylenediamin	LC50	495 mg/L (96 h)	Pimephales promelas	Fish	
CAS: 112-24-3	EC50	31.1 mg/L (48 h)	Daphnia magna	Crustacean	
EC: 203-950-6	EC50	Not relevant	20 2012		
Aniline	LC50	10.6 mg/L (96 h)	Oncorhynchus mykiss	Fish	
CAS: 62-53-3	EC50	0.16 mg/L (48 h)	Daphnia magna	Crustacean	
EC: 200-539-3	EC50	175 mg/L (72 h)	Chlorella pyrenoidosa	Algae	
nitrobenzene	LC50	>10 - 100 mg/L (96 h)		Fish	
CAS: 98-95-3	EC50	>10 - 100 mg/L (48 h)		Crustacean	
EC: 202-716-0	EC50	>10 - 100 mg/L (72 h)		Algae	

Chronic toxicity:

Identification		Concentration	Species	Genus
Aniline	NOEC	0.39 mg/L	Pimephales promelas	Fish
CAS: 62-53-3 EC: 200-539-3	NOEC	0.016 mg/L	Daphnia magna	Crustacean
nitrobenzene	NOEC	Not relevant		
CAS: 98-95-3 EC: 202-716-0	NOEC	2.6 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	D	Degradability		egradability
2-piperazin-1-ylethylamine	BOD5	Not relevant	Concentration	30 mg/L
CAS: 140-31-8	COD	Not relevant	Period	28 days
EC: 205-411-0	BOD5/COD	Not relevant	% Biodegradable	0 %
Aniline	BOD5	Not relevant	Concentration	2 mg/L
CAS: 62-53-3	COD	Not relevant	Period	30 days
EC: 200-539-3	BOD5/COD	Not relevant	% Biodegradable	90 %
nitrobenzene	BOD5	Not relevant	Concentration	100 mg/L
CAS: 98-95-3	COD	Not relevant	Period	14 days
EC: 202-716-0	BOD5/COD	Not relevant	% Biodegradable	3.3 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bi	Bioaccumulation potential		
Aniline	BCF	3		
CAS: 62-53-3	Pow Log	0.91		
EC: 200-539-3	Potential	Low		
nitrobenzene	BCF	15		
CAS: 98-95-3	Pow Log	1.85		
EC: 202-716-0	Potential	Low		

12.4 Mobility in soil:

Identification	Absorp	Absorption/desorption		Volatility	
2-piperazin-1-ylethylamine	Koc	37000	Henry	Not relevant	
CAS: 140-31-8	Conclusion	Immobile	Dry soil	Not relevant	
EC: 205-411-0	Surface tension	4.001E-2 N/m (25 °C)	Moist soil	Not relevant	
3,6-diazaoctanethylenediamin	Koc	Not relevant	Henry	Not relevant	
CAS: 112-24-3	Conclusion	Not relevant	Dry soil	Not relevant	
EC: 203-950-6	Surface tension	4.307E-2 N/m (25 °C)	Moist soil	Not relevant	

Unisorb Issue Date: April 10, 2025 Page **24** of **28 Reference: GB-0003-06-GD-E**

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorp	Absorption/desorption		Volatility	
Aniline	Koc	310	Henry	2,05E-1 Pa·m³/mol	
CAS: 62-53-3	Conclusion	High	Dry soil	Yes	
EC: 200-539-3	Surface tension	Not relevant	Moist soil	Yes	
nitrobenzene	Koc	Not relevant	Henry	2.43 Pa·m³/mol	
CAS: 98-95-3	Conclusion	Not relevant	Dry soil	Not relevant	
EC: 202-716-0	Surface tension	4.323E-2 N/m (25 °C)	Moist soil	Not relevant	

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

	Code	Description	Waste class (Regulation (EU) No 1357/2014)
I	08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP6 Acute Toxicity, HP13 Sensitising, HP8 Corrosive

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, The Waste Regulations 2011, 2011 No. 988). As under 15 01 (2014/955/EU) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:



14.1 UN number or ID number: UN2735

14.2 UN proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S. (2-piperazin-1-

ylethylamine)

14.3 Transport hazard class(es):

Labels: 8

14.4 Packing group:

14.5 Environmental hazards: No

14.6 Special precautions for user

Special regulations: 274
Tunnel restriction code: E

Physico-Chemical properties: see section 9

Limited quantities: 1 L

14.7 Maritime transport in bulk

according to IMO instruments: Ik Not relevant

Unisorb Issue Date: April 10, 2025 Page 25 of 28 Reference: GB-0003-06-GD-E

SECTION 14: TRANSPORT INFORMATION (continued)

Transport of dangerous goods by sea:

With regard to IMDG 41-22:

14.1 UN number or ID number: UN2735

14.2 UN proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S. (2-piperazin-1-

ylethylamine)

14.3 Transport hazard class(es): 8

Labels:

II 14.4 Packing group: 14.5 Marine pollutant: No

14.6 Special precautions for user

Special regulations: 274 EmS Codes: F-A, S-B Physico-Chemical properties: see section 9 Limited quantities: 11

Segregation group: **SGG18**

14.7 Maritime transport in bulk

according to IMO instruments:

Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2025:



14.1 UN number or ID number: UN2735

14.2 UN proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S. (2-piperazin-1-

ylethylamine)

14.3 Transport hazard class(es): 8

8 Labels: 14.4 Packing group: П

14.6 Special precautions for user

14.5 Environmental hazards:

Physico-Chemical properties: see section 9

14.7 Maritime transport in bulk Not relevant

according to IMO instruments:

No

SECTION 15: REGULATORY INFORMATION

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

- (Puerto Rico, USA): 2-piperazin-1-ylethylamine (140-31-8); 3,6-diazaoctanethylenediamin (112-24-3); Aniline (62-53-3); nitrobenzene (98-95-3)
- Article 95, REGULATION (EU) No 528/2012; Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): nitrobenzene (98-95-3)
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) 2024/590, about substances that deplete the ozone layer: Not relevant.
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

Not relevant

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Shall not be used in:

- -ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- -tricks and jokes,
- -games for one or more participants, or any article intended to be used as such, even with ornamental aspects. Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

Unisorb Issue Date: April 10, 2025 Page **26** of **28** Reference: GB-0003-06-GD-E

SECTION 15: REGULATORY INFORMATION (continued)

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885
Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits

The Waste Regulations 2011, 2011 No. 988

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Not relevant

Texts of the legislative phrases mentioned in section 2:

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H317: May cause an allergic skin reaction.

H412: Harmful to aquatic life with long lasting effects.

H302+H312: Harmful if swallowed or in contact with skin.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.

Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.

Acute Tox. 4: H312 - Harmful in contact with skin.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Carc. 2: H351 - Suspected of causing cancer.

Eye Dam. 1: H318 - Causes serious eye damage.

Muta. 2: H341 - Suspected of causing genetic defects.

Repr. 1B: H360F - May impair fertility.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.

Classification procedure:

Skin Corr. 1B: Calculation method Eye Dam. 1: Calculation method Skin Sens. 1: Calculation method Aquatic Chronic 3: Calculation method

Advice related to training:

Acute Tox. 4: Calculation method

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu http://eur-lex.europa.eu

Abbreviations and acronyms:

Unisorb Issue Date: April 10, 2025 Page **27** of **28** Reference: GB-0003-06-GD-E

Printing: 3/14/2025 Date of compilation: 7/23/2024

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road

Version: 1

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

Unisorb Issue Date: April 10, 2025 Page 28 of 28 Reference: GB-0003-06-GD-E