SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Flortex SG (Resin) Part A

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

Material uses: Relevant uses: Resin. For professional users/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

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF

Telephone Number: 01234 846400

Emergency Contact Number: 111 (NHS England)

Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GB CLP Regulation:
Classification of this product has been carried out in accordance with GB CLP Regulation.
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. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements

GB CLP Regulation:

Signal word: Warning

Hazard pictograms:

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

Precautionary statements:
P261: Avoid breathing vapours.
P264: Wash thoroughly after use.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and 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.
P391: Collect spillage.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment.

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

Substances that contribute to the classification: reaction product: bisphenol-A-(epichlorhydrin) (MW < 700); Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol; oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

2.3 Other hazards: Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance:
Non-applicable

3.2 Mixture:
Chemical description: Mixture composed of additives and epoxy polymers

Components:
In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 25068-38-6	**reaction product: bisphenol-A-(epichlorhydrin) (MW < 700)**  Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	**50 - <75 %**
CAS: 9003-36-5	**Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol**  Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	**25 - <50 %**

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS (continue)

Identification	Chemical name/Classification	Concentration
CAS: 68609-97-2	**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.** Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	**15 - <25 %**

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

Other information:

Identification	Specific concentration limit
reaction product: bisphenol-A-(epichlorhydrin) (MW < 700) CAS: 25068-38-6	% (w/w) >=5: Skin Irrit. 2 - H315 % (w/w) >=5: Eye Irrit. 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: 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: FIRE-FIGHTING 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 (SCBA). 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: It is recommended: Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

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.- Technical measures for storage
Minimum Temp: 5 °C
Maximum Temp: 30 °C
Maximum time: 6 Months

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 monitored in the workplace:

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
reaction product: bisphenol-A-(epichlorhydrin) (MW < 700) CAS: 25068-38-6 EC: 500-033-5	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0.75 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	4.93 mg/m³	Not relevant
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol CAS: 9003-36-5 EC: 500-006-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	104.15 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	29.39 mg/m³	Not relevant
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS: 68609-97-2 EC: 271-846-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	1 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3.6 mg/m³	Not relevant

DNEL (General population)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
reaction product: bisphenol-A-(epichlorhydrin) (MW < 700) CAS: 25068-38-6 EC: 500-033-5	Oral	Not relevant	Not relevant	0.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0.0893 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0.87 mg/m³	Not relevant
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol CAS: 9003-36-5 EC: 500-006-8	Oral	Not relevant	Not relevant	6.25 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	62.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	8.7 mg/m³	Not relevant
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS: 68609-97-2 EC: 271-846-8	Oral	Not relevant	Not relevant	0.5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0.5 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0.87 mg/m³	Not relevant

PNEC:

Identification				
reaction product: bisphenol-A-(epichlorhydrin) (MW < 700) CAS: 25068-38-6 EC: 500-033-5	STP	10 mg/L	Fresh water	0.006 mg/L
	Soil	0.065 mg/kg	Marine water	0.001 mg/L
	Intermittent	0.018 mg/L	Sediment (Fresh water)	0.341 mg/kg
	Oral	0.011 g/kg	Sediment (Marine water)	0.034 mg/kg
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol CAS: 9003-36-5 EC: 500-006-8	STP	10 mg/L	Fresh water	0.003 mg/L
	Soil	0.237 mg/kg	Marine water	0 mg/L
	Intermittent	0.025 mg/L	Sediment (Fresh water)	0.294 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.029 mg/kg

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

Identification				
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS: 68609-97-2 EC: 271-846-8	STP	10 mg/L	Fresh water	0.106 mg/L
	Soil	1.234 mg/kg	Marine water	0.011 mg/L
	Intermittent	0.072 mg/L	Sediment (Fresh water)	307.16 mg/kg
	Oral	Not relevant	Sediment (Marine water)	30.72 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 <<UKCA marking>>. 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	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	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	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: PVC, Breakthrough time: > 480 min)	Replace the gloves at any sign of deterioration.

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

D. Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E. Body protection

Pictogram	PPE	Remarks
	Work clothing	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	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 20345:2012 y EN 13832-1:2007

F. Additional emergency measures

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:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

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

V.O.C. density at 20 °C: 0 kg/m³ (0 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continue)

Appearance	
Physical state at 20 °C:	Liquid
Appearance:	Characteristic
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not relevant *
Volatility:	
Boiling point at atmospheric pressure:	Not relevant *
Vapour pressure at 20 °C:	Not relevant *
Vapour pressure at 50 °C:	<300000 Pa (300 kPa)
Evaporation rate at 20 °C:	Not relevant *
Product description:	
Density at 20 °C:	1067.6 kg/m³
Relative density at 20 °C:	1.068
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Immiscible
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	Not relevant *
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *
Particle characteristics	
Median equivalent diameter:	Non-applicable

9.2 Other information

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *
Other safety characteristics:	
Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant 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.

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	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 (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:
The experimental information related to the toxicological properties of the product itself is not available

A- Ingestion (acute effect):
- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous 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.

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: Non-applicable
- 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, as it does not 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:
Not available

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	Concentration		Species	Genus
reaction product: bisphenol-A-(epichlorhydrin) (MW < 700) CAS: 25068-38-6	LC50	>1 - 10 mg/L (96 h)		Fish
	EC50	>1 - 10 mg/L (48 h)		Crustacean
	EC50	>1 - 10 mg/L (72 h)		Algae
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol CAS: 9003-36-5	LC50	>1 - 10 mg/L (96 h)		Fish
	EC50	>1 - 10 mg/L (48 h)		Crustacean
	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
reaction product: bisphenol-A-(epichlorhydrin) (MW < 700)	NOEC	Not relevant		
CAS: 25068-38-6	NOEC	0.3 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:
Substance-specific information:

Identification	Degradability		Biodegradability	
reaction product: bisphenol-A-(epichlorhydrin) (MW < 700) CAS: 25068-38-6	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	28 days	cellPeriodoTesteoContenido
	BOD5/COD	Not relevant	% Biodegradable	0 %

12.3 Bioaccumulative potential
Substance-specific information:

Identification	Bioaccumulation potential	
reaction product: bisphenol-A-(epichlorhydrin) (MW < 700) CAS: 25068-38-6	BCF	4
	Pow Log	2.8
	Potential	Low

12.4 Mobility in soil: Not available
12.5 Results of PBT and vPvB assessment: Product fails to meet PBT/vPvB criteria
12.6 Other adverse effects: Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Code	Description	Waste class
20 01 27*	paint, inks, adhesives and resins containing hazardous substances	Hazardous

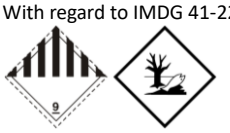
Type of waste:
HP14 Ecotoxic, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage
Waste management (disposal and evaluation):
Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 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 UK REACH the provisions related to waste management are stated:
UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:
With regard to ADR 2023 and RID 2023:

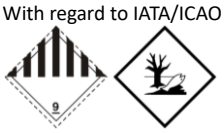
14.1	**UN number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) (MW < 700))
14.3	**Transport Hazard Class(es):**	9
	Label(s):	9
14.4	**Packing group**	III
14.5	**Environmental hazards:**	Yes
14.6	**Special precautions for user**	
	Tunnel restriction code:	-
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Not relevant

Transport of dangerous goods by sea:
With regard to IMDG 41-22:



14.1	**UN number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) (MW < 700))
14.3	**Transport Hazard Class(es):**	9
	Label(s):	9
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
14.6	Limited quantities:	5 L
	Segregation group:	Not relevant
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Not relevant

Transport of dangerous goods by air:
With regard to IATA/ICAO 2024:



14.1	**UN number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) (MW < 700))
14.3	**Transport Hazard Class(es):**	9
	Label(s):	9
14.4	**Packing group**	III
14.5	**Environmental hazards:**	Yes
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code:**	Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Non-applicable
- Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable

SECTION 15: REGULATORY INFORMATION (continue)

The Control of Major Accident Hazards Regulations 2015:

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

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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.

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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:
This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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

GB CLP Regulation:
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.

Classification procedure:
Skin Irrit. 2: Calculation method
Skin Sens. 1: 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

Rev: 31/07/2025

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Flortex SG (Hardener) Part B

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

Material uses: Relevant uses (Professional users): Resin
Relevant uses (Industrial user): Resin
For Professional users/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

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate
Kempston
Beds
MK42 7EF

Telephone Number: 01234 846400

Emergency Contact Number: 111 (NHS England)

Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:
Product classified regardless of its extreme pH.

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I.2020/1567).
Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Corr. 1C: Skin corrosion, Category 1C, H314
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements

GB CLP Regulation:

Signal word: Danger

Hazard pictograms:

Hazard statements: Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements: 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 soap and water.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position 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 the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively

Substances that contribute to the classification: aminomethyl-3,5,5-trimethylcyclohexylamine; m-phenylenebis(methylamine); 2,4,6-tris(dimethylaminomethyl)phenol

2.3 Other hazards: Product fails to meet PBT/vPvB 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 The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 2855-13-2 EC: 220-666-8 REACH: 01-211514687-32-XXXX	**3-aminomethyl-3,5,5-trimethylcyclohexylamine** Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1A: H317 - Danger 	**1 - <2.5 %**

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Identification	Chemical name/Classification	Concentration
CAS: 1477-55-0 EC: 216-032-5 REACH: 01-2119480150-50-XXXX	**m-phenylenebis(methylamine)** Acute Tox. 4: H302+H332; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Corr. 1B: H314; Skin Sens. 1B: H317; EUH071 - Danger 	**1 - <2.5 %**
CAS: 90-72-2 EC: 202-013-9 REACH: 01-2119560597-27-XXXX	**2,4,6-tris(dimethylaminomethyl)phenol** Eye Dam. 1: H318; Skin Corr. 1C: H314 - Danger 	**1 - <2.5 %**

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 toxicity		Genus
3-aminomethyl-3,5,5-trimethylcyclohexylamine	LD50 oral	1030 mg/kg	Rat
CAS: 2855-13-2	LD50 dermal	Not relevant	
EC: 220-666-8	LC50 inhalation vapour	Not relevant	
m-phenylenebis(methylamine)	LD50 oral	1090 mg/kg	Rat
CAS: 1477-55-0	LD50 dermal	Not relevant	
EC: 216-032-5	LC50 inhalation vapour	10.672 mg/L *	

* Equivalent ATE value of the substance applicable to the exposure route of the product. For the ATE value associated with the exposure route of the substance, see section 11.

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product

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: FIRE-FIGHTING 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 (SCBA). 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: It is recommended to avoid environmental spillage of both the product and its container.

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
It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any Incompatibilities:

A.- Technical measures for storage
Minimum Temp: 5 °C
Maximum Temp: 30 °C
Maximum time: 6 Months

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 monitored in the workplace:
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 2855-13-2	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
EC: 220-666-8	Inhalation	Not relevant	Not relevant	Not relevant	0.073 mg/m³
m-phenylenebis(methylamine)	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 1477-55-0	Dermal	Not relevant	Not relevant	0.33 mg/kg	Not relevant
EC: 216-032-5	Inhalation	Not relevant	Not relevant	1.2 mg/m³	0.2 mg/m³
2,4,6-tris(dimethylaminomethyl)phenol	Oral	Not relevant	Not relevant	Not relevant	Not relevant
CAS: 90-72-2	Dermal	Not relevant	Not relevant	0.15 mg/kg	Not relevant
EC: 202-013-9	Inhalation	Not relevant	Not relevant	0.53 mg/m³	Not relevant

DNEL (General population)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Oral	Not relevant	Not relevant	0.526 mg/kg	Not relevant
CAS: 2855-13-2	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
EC: 220-666-8	Inhalation	Not relevant	Not relevant	Not relevant	Not relevant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

DNEL (General population) cont.

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2,4,6-tris(dimethylaminomethyl)phenol	Oral	Not relevant	Not relevant	0.075 mg/kg	Not relevant
CAS: 90-72-2	Dermal	Not relevant	Not relevant	0.075 mg/kg	Not relevant
EC: 202-013-9	Inhalation	Not relevant	Not relevant	0.13 mg/m³	Not relevant

PNEC:

Identification				
3-aminomethyl-3,5,5-trimethylcyclohexylamine	STP	3.18 mg/L	Fresh water	0.06 mg/L
CAS: 2855-13-2	Soil	1.121 mg/kg	Marine water	0.006 mg/L
EC: 220-666-8	Intermittent	0.23 mg/L	Sediment (Fresh water)	5.784 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.578 mg/kg
m-phenylenebis(methylamine)	STP	10 mg/L	Fresh water	0.094 mg/L
CAS: 1477-55-0	Soil	2.44 mg/kg	Marine water	0.009 mg/L
EC: 216-032-5	Intermittent	0.152 mg/L	Sediment (Fresh water)	12.4 mg/kg
	Oral	Not relevant	Sediment (Marine water)	1.24 mg/kg
2,4,6-tris(dimethylaminomethyl)phenol	STP	0.2 mg/L	Fresh water	0.046 mg/L
CAS: 90-72-2	Soil	0.025 mg/kg	Marine water	0.005 mg/L
EC: 202-013-9	Intermittent	0.46 mg/L	Sediment (Fresh water)	0.262 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0.026 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 <<UKCA marking>>. 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

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours (Filter type: K)	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	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.11 mm)	Replace the gloves at any sign of deterioration.

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

D. Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield.	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E. Body protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks	For professional use only. Clean periodically according to the manufacturer´s instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk	Replace boots at any sign of deterioration.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)

F. Additional emergency measures

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:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply): 0.01 % weight

V.O.C. density at 20 °C: 0.08 kg/m³ (0.08 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state at 20 °C:	Liquid
Appearance:	Viscous
Colour:	Several
Odour:	Characteristic
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	105 °C
Vapour pressure at 20 °C:	2331 Pa
Vapour pressure at 50 °C:	12276.26 Pa (12.28 kPa)
Evaporation rate at 20 °C:	Not relevant *

Product description:

Density at 20 °C:	1299.7 kg/m³
Relative density at 20 °C:	1.3
Dynamic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 20 °C:	Not relevant *
Kinematic viscosity at 40 °C:	>20.5 mm²/s
Concentration:	Not relevant *
pH:	≥11.5
Vapour density at 20 °C:	Not relevant *
Partition coefficient n-octanol/water 20 °C:	Not relevant *
Solubility in water at 20 °C:	Not relevant *
Solubility properties:	Completely miscible
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	380 °C
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Particle characteristics

Median equivalent diameter:	Not relevant *

9.2 Other information

Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

Other safety characteristics:

Surface tension at 20 °C:	Not relevant *
Refraction index:	Not relevant *

*Not relevant 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
Avoid strong acids	Not applicable	Precaution	Not applicable	Not applicable

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 (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:
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: 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: 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, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
- IARC: phenol (3); Titanium dioxide (2B); Talc (3)
- 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, as it does not 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
2,4,6-tris(dimethylaminomethyl)phenol	LD50 oral	2169 mg/kg	Rat
CAS: 90-72-2	LD50 dermal		
EC: 202-013-9	LC50 inhalation vapour		
3-aminomethyl-3,5,5-trimethylcyclohexylamine	LD50 oral	1030 mg/kg	Rat
CAS: 2855-13-2	LD50 dermal		
EC: 220-666-8	LC50 inhalation vapour		
m-phenylenebis(methylamine)	LD50 oral	1090 mg/kg	Rat
CAS: 1477-55-0	LD50 dermal		
EC: 216-032-5	LC50 inhalation vapour	1.34 mg/L	Rat

SECTION 12: ECOLOGICAL INFORMATION

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

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.

12.1 Toxicity

Acute toxicity:

Identification	Concentration		Species	Genus
3-aminomethyl-3,5,5-trimethylcyclohexylamine	LC50	110 mg/L (96 h)	Leuciscus idus	Fish
CAS: 2855-13-2	EC50	388 mg/L (48 h)	N/A	Crustacean
	EC50	Not relevant		
m-phenylenebis(methylamine)	LC50	88 mg/L (96 h)	Oryzias latipes	Fish
CAS: 1477-55-0	EC50	15 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	20 mg/L (72 h)	Selenastrum capricornutum	Algae
2,4,6-tris(dimethylaminomethyl)phenol	LC50	Not relevant		
CAS: 90-72-2	EC50	Not relevant		
	EC50	84 mg/L (72 h)	Scenedesmus subspicatus	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
3-aminomethyl-3,5,5-trimethylcyclohexylamine	NOEC	Not relevant		
CAS: 2855-13-2	NOEC	3 mg/L	Daphnia magna	Crustacean
m-phenylenebis(methylamine)	NOEC	Not relevant		
CAS: 1477-55-0	NOEC		Daphnia magna	Crustacean

12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
3-aminomethyl-3,5,5-trimethylcyclohexylamine	BOD5	Not relevant	Concentration	7 mg/L
CAS: 2855-13-2	COD	Not relevant	Period	28 days
EC: 220-666-8	BOD5/COD	Not relevant	% Biodegradable	8 %
m-phenylenebis(methylamine)	BOD5	Not relevant	Concentration	14 mg/L
CAS: 1477-55-0	COD	Not relevant	Period	28 days
EC: 216-032-5	BOD5/COD	Not relevant	% Biodegradable	49 %

12.3 Bioaccumulative potential

Substance-specific information:

Identification	Bioaccumulation potential	
m-phenylenebis(methylamine)	BCF	3
CAS: 1477-55-0	Pow Log	0.18
EC: 216-032-5	Potential	Low
2,4,6-tris(dimethylaminomethyl)phenol	BCF	
CAS: 90-72-2	Pow Log	0.22
EC: 202-013-9	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
3-aminomethyl-3,5,5-trimethylcyclohexylamine	Koc	928	Henry	4.46E-4 Pa·m³/mol
CAS: 2855-13-2	Conclusion	Low	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant
m-phenylenebis(methylamine)	Koc	1300	Henry	Not relevant
CAS: 1477-55-0	Conclusion	Low	Dry soil	Not relevant
	Surface tension	Not relevant	Moist soil	Not relevant

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Code	Description	Waste class
20 01 27*	paint, inks, adhesives and resins containing hazardous substances	Hazardous

Type of waste:

HP8 Corrosive

Waste management (disposal and evaluation): Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

SECTION 13: DISPOSAL CONSIDERATIONS (continue)

Regulations related to waste management:
In accordance with Annex II of UK REACH the provisions related to waste management are stated:
UK legislation: The Waste (England & Wales) Regulations 2011.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:
With regard to ADR 2025 and RID 2025:

14.1	**UN number:**	UN2735
14.2	**UN proper shipping name:**	AMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3	**Transport Hazard Class(es):**	8
	Label(s):	8
14.4	**Packing group**	III
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Tunnel restriction code:	E
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code**	Not relevant

Transport of dangerous goods by sea:
With regard to IMDG 41-22:

14.1	**UN number:**	UN2735
14.2	**UN proper shipping name:**	AMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3	**Transport Hazard Class(es):**	8
	Label(s):	8
14.4	**Packing group**	III
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	274, 223
	EmS Codes:	F-A, S-B
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	SGG18
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code**	Not relevant

Transport of dangerous goods by air:
With regard to IATA/ICAO 2025:

14.1	**UN number:**	UN2735
14.2	**UN proper shipping name:**	AMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3	**Transport Hazard Class(es):**	8
	Label(s):	8
14.4	**Packing group**	III
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Transport in bulk according to Annex II of Marpol and the IBC Code**	Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:
Not relevant

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK 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.

SECTION 15: REGULATORY INFORMATION

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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:
This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

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.

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

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Classification procedure:
Skin Corr. 1C: Calculation method
Eye Dam. 1: Calculation method
Skin Sens. 1A: 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