



## SAFETY DATA SHEET BELZONA® 7311 SOLIDIFIER

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

#### 1.1. Product identifier

**Product name** BELZONA® 7311 SOLIDIFIER  
**Product number** SN2955

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

**Identified uses** Structural bonding solution, optimised for fatigue resistance. For industrial use only.  
**Uses advised against** The product should not be used for purposes other than those recommended in the appropriate Instructions For Use (IFU) leaflet.

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

**Supplier** Belzona Polymerics Limited  
 Claro Road, Harrogate  
 HG1 4DS  
 United Kingdom  
 +44 1423 567641  
 sds@belzona.com

**Manufacturer** Belzona Polymerics Limited  
 Claro Road, Harrogate  
 HG1 4DS  
 United Kingdom  
 +44 1423 567641  
 sds@belzona.com

#### 1.4. Emergency telephone number

**Emergency telephone** ChemTel: +1 813-248-0585

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317  
**Environmental hazards** Aquatic Chronic 3 - H412

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Danger

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<b>Hazard statements</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P260 Do not breathe vapours. P273 Avoid release to the environment. P280 Wear protective gloves, protective clothing and eye protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. 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 CENTRE or doctor.
<b>Supplemental label information</b>	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
<b>Contains</b>	3,3'-OXYBIS(ETHYLENEOXY)BIS(PROPYLAMINE), DGEBA REACTION PRODUCT WITH DIETHYLENETRIAMINE, DIETHYLENETRIAMINE, PHENOL, STYRENATED

**2.3. Other hazards****SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>3,3'-OXYBIS(ETHYLENEOXY)BIS(PROPYLAMINE)</b>	<b>30-60%</b>
CAS number: 4246-51-9	EC number: 224-207-2
	REACH registration number: 01-2119963377-26-XXXX
<b>Classification</b>	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
<b>DGEBA REACTION PRODUCT WITH DIETHYLENETRIAMINE</b>	<b>10-30%</b>
CAS number: 68411-71-2	EC number: 270-141-2
<b>Classification</b>	
Acute Tox. 4 - H302	
<b>FATTY ACID AMIDE (9,12-OCTADECADIENOIC ACID (9Z,12Z)-, DIMER, POLYMER WITH 3,3'-[OXYBIS(2,1-ETHANEDILOXY)]BIS[1-PROPANAMINE])</b>	<b>10-30%</b>
CAS number: 68541-13-9	
<b>Classification</b>	
Eye Irrit. 2 - H319	

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<b>DIETHYLENETRIAMINE</b> <span style="float: right;"><b>5-10%</b></span>		
CAS number: 111-40-0	EC number: 203-865-4	REACH registration number: 01-2119473793-27-xxxx
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 2 - H330 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335		
<b>PHENOL, STYRENATED</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 61788-44-1	EC number: 262-975-0	REACH registration number: 01-2119980970-27-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1A - H317 Aquatic Chronic 2 - H411		
<b>2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 90-72-2	EC number: 202-013-9	REACH registration number: 01-2119560597-27-xxxx
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412		

The full text for all hazard statements is displayed in Section 16.

**Composition comments** This mixture contains  $\geq$  1% Titanium Dioxide (CAS 13463-67-7). The Annex VI classification of Titanium Dioxide does not apply to this mixture according to its Note 10.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>General information</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air. Keep the patient warm and at rest. Give nothing by mouth.
<b>Ingestion</b>	If accidentally swallowed obtain immediate medical attention. Keep at rest. Rinse mouth with plenty of water. Do NOT induce vomiting.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners. If irritation or inflammation persists, seek medical attention.

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**Eye contact** Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart, and seek medical advice.

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

**Inhalation** Exposure to vapours may result in irritation of the mucous membrane and the respiratory system; in severe cases burns may occur.

**Ingestion** May cause chemical burns in mouth, oesophagus and stomach.

**Skin contact** Skin contact causes chemical burns. Symptoms may include pain, severe local redness and tissue damage. May cause allergic skin reaction.

**Eye contact** Contact with eyes may cause severe irritation with corneal injury, which may result in permanent impairment of vision.

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

**Notes for the doctor** None.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Use: sand, alcohol resistant foam, carbon dioxide, chemical powder, or water fog for larger fires.  
Do NOT use water jet.

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

**Hazardous combustion products** In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen and ammonia may be produced.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Fire will produce dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or watercourses.

## SECTION 6: Accidental release measures

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

**Personal precautions** Exclude non-essential personnel. Keep up-wind of spill to avoid breathing vapours. Do not get on skin or in eyes.

### 6.2. Environmental precautions

**Environmental precautions** Prevent spills from entering drains or sewers. If the product enters drains or sewers in large quantities, the local Water Company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the appropriate National regulating agency.

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

**Methods for cleaning up** Scrape the majority of the product into a suitable labelled container. Cover the spill area with sand or other suitable inert material and sweep up into the container. Clean surfaces down with a water and detergent mixture. Do not allow spilled product or the associated washings to enter surface water drains or watercourses.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see section 13. For information on National regulating agencies refer to Section 16.

## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

#### **Usage precautions**

Keep the container tightly closed when not in use. Vapours may collect in the container headspace during transit or prolonged storage. Do not breathe vapour when opening the container. Where possible open containers and mix components in a well ventilated place away from the application area. Exclude non-essential personnel. Minimise the number of employees exposed and the duration of their exposure. Do not get on skin or in eyes. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection see Section 8. Always keep in containers made of the same material as the supply container. Ensure emergency equipment (for fires, spills, leaks, etc.) is readily available. FIRE/EXPLOSION This product is combustible. Exclude sources of heat, sparks and open flame. Good housekeeping methods and regular safe removal of waste materials should be observed.

#### **Advice on general occupational hygiene**

Wash at the end of each work shift and before eating, smoking and using the toilet. Ensure eye wash facilities (fountain, bottle, vials, etc.) are readily available. Do not put contaminated articles or equipment e.g. spatulas, applicators, brushes, cloths etc., into pockets. Where necessary, contaminated work clothing and shoes should be removed to prevent cross contamination of surfaces and the risk of inadvertent skin contact and ingestion.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage precautions**

Observe the label precautions. Store between 5 °C and 30 °C unless otherwise stated in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Store separately from oxidising agents and strongly acidic materials. ENVIRONMENTAL STORAGE PRECAUTIONS Spillage, incorrect storage of chemicals or waste materials or unsuitable disposal activities can result in pollutants seeping through the soil, causing serious harm to groundwater- which is a vital source of drinking water. All wastes, especially liquid wastes, must be securely stored on site in designated areas that are isolated from surface drains and bunded to contain any spillages.

### 7.3. Specific end use(s)

#### **Specific end use(s)**

Application by plastic applicator or spatula provided. Application by short bristled brush. Application by injection. Mix with Base component before use. Please refer to the relevant Belzona® Instructions For Use for further information.

## **SECTION 8: Exposure controls/Personal protection**

### 8.1. Control parameters

#### Occupational exposure limits

##### **DIETHYLENETRIAMINE**

Long-term exposure limit (8-hour TWA): WEL 1 ppm 4.3 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

#### **Ingredient comments**

During standard, non-spray applications, the risk of exposure by inhalation to hazardous concentrations of diethylenetriamine under normal working conditions in a well ventilated area is minimal.

#### **DIETHYLENETRIAMINE (CAS: 111-40-0)**

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<b>DNEL</b>	Industry - Inhalation; Long term systemic effects: 15.4 mg/m <sup>3</sup>
	Industry - Inhalation; Long term local effects: 0.87 mg/m <sup>3</sup>
	Industry - Inhalation; Short term systemic effects: 92.1 mg/m <sup>3</sup>
	Industry - Inhalation; Short term local effects: 2.6 mg/m <sup>3</sup>
	Industry - Dermal; Long term systemic effects: 11.4 mg/kg/day
	Industry - Dermal; Long term local effects: 1.1 mg/cm <sup>2</sup>
	Consumer - Inhalation; Long term systemic effects: 4.6 mg/m <sup>3</sup>
	Consumer - Inhalation; Short term systemic effects: 27.5 mg/m <sup>3</sup>
	Consumer - Dermal; Short term systemic effects: 4.88 mg/kg/day

<b>PNEC</b>	Fresh water; 0.56 mg/l
	marine water; 0.056 mg/l
	Sediment (Freshwater); 1072 mg/kg
	Sediment (Marinewater); 107.2 mg/kg
	Soil; 214 mg/kg
STP; 6 mg/l	

**2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL (CAS: 90-72-2)**

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 0.13 mg/m <sup>3</sup>
	Workers - Inhalation; Short term systemic effects: 0.52 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 0.15 mg/kg/day
	Workers - Dermal; Short term systemic effects: 0.6 mg/kg/day

<b>PNEC</b>	Fresh water; 0.084 mg/l
	marine water; 0.0084 mg/l
	Intermittent release; 0.84 mg/l
	STP; 0.2 mg/l

**8.2. Exposure controls****Appropriate engineering controls**

Use in well ventilated areas or provide adequate mechanical ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see 'Respiratory protection' below).

**Eye/face protection**

It is recommended that eye protection, for example safety spectacles or goggles are worn at all times during the handling and use of this material. Eye protection should be selected in accordance with EN 166 Personal eye protection. During subsequent machining, grinding, abrasion or removal of this product appropriate eye protection should be selected according to the type of tools or equipment used.

**Hand protection**

Hand protection should be selected in accordance with EN 374 Protective gloves against chemicals. The breakthrough time of the gloves selected should exceed the expected use period. Where this is not possible gloves should be changed in good time, and in any case before the breakthrough time is exceeded. If any doubt exists, advice should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred. **SPECIFIC RECOMMENDATIONS** Wear protective gloves made of the following material: Nitrile rubber. Medium-heavy weight gauntlet type gloves that provide wrist protection are suitable.

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### Other skin and body protection

STANDARD APPLICATIONS Synthetic polyethylene coveralls such as the Tyvek PRO-TECH® or equivalent coveralls manufactured to EN 13034 Type 6, Protective clothing against liquid chemicals. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. EMERGENCY REPAIRS OR APPLICATION OF SINGLE UNITS Cotton overalls are normally suitable.

### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. It is essential that the concentration of the contaminant(s) in the application environment does not exceed the applicable Occupational Exposure Limit(s) (OELs) multiplied by the Assigned Protection Factor (APF) quoted for the respiratory protective equipment selected. Respiratory protection is not normally required, but the hazards of the Base component should be considered for mixing and application purposes. Respiratory protection is not normally required but it may be required when this product is used in confined spaces or where adequate ventilation cannot be achieved. Where necessary, it is recommended that respiratory protective equipment that complies with EN 136 (full face mask) or EN 140 (half face mask) should be worn in combination with an organic/inorganic vapours, acid gases and ammonia cartridge (ABEK1). Where the application environment is likely to be contaminated by significant concentrations of dust then the appropriate particulate prefilter (N-, R- or, P-series) should be worn in combination with the above. It is essential that the facepiece is correctly fitted and the filter is changed in accordance with the manufacturer's instructions. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Paste.
<b>Colour</b>	White.
<b>Odour</b>	Ammonia.
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	1.12 - 1.22 @ 20°C/68°F
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.

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<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not applicable.
<b>Explosive under the influence of a flame</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.

### 9.2. Other information

<b>Other information</b>	This section contains typical values for Health, Safety and Environmental guidance only and is not intended to represent a technical specification for the product.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Stable under recommended storage and handling conditions (see Section 7).
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No hazardous reactions expected when stored and handled as recommended.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	The toxicological values quoted in this section have been calculated, therefore LD50/LC50 values can be considered as Acute Toxicity Estimates (ATEs).
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#### Acute toxicity - oral

<b>Notes (oral LD<sub>50</sub>)</b>	>1100 mg/kg, Oral, Harmful if swallowed.
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#### Acute toxicity - dermal

<b>Notes (dermal LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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#### Acute toxicity - inhalation

<b>Notes (inhalation LC<sub>50</sub>)</b>	Diethylenetriamine, the major contributor of the high acute toxicity, is toxic by inhalation when aerosolized or sprayed. If product is not aerosolized or sprayed, the inhalation toxicity may not apply.
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#### Skin corrosion/irritation

<b>Animal data</b>	Corrosive to skin.
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#### Serious eye damage/irritation



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<b>Serious eye damage/irritation</b>	May cause blurred vision and serious eye damage.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	May cause skin sensitisation or allergic reactions in sensitive individuals.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
<b>Genotoxicity - in vivo</b>	Based on available data the classification criteria are not met.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>IARC carcinogenicity</b>	Not listed.
<b>NTP carcinogenicity</b>	Not listed.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not relevant.
<b>Route of exposure</b>	Ingestion Skin and/or eye contact
<b>Medical considerations</b>	Skin contact constitutes a pronounced hazard. Persons with a history of skin sensitisation problems should only be employed in processes in which this product is used under appropriate medical supervision.

**Toxicological information on ingredients.****DIETHYLENETRIAMINE**

<b>Toxicological effects</b>	May be absorbed through the skin. During standard, non-spray applications, the risk of exposure by inhalation to hazardous concentrations of diethylenetriamine under normal working conditions in a well ventilated area is minimal.
<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	1,553.0
<b>Species</b>	Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	1,045.0

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**Species** Rabbit

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l)** 0.07

**Species** Rat

**Notes (inhalation LC<sub>50</sub>)** NOAEL

**PHENOL, STYRENATED****Toxicological effects****2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,169.0

**Species** Rat

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

**SECTION 12: Ecological information**

**Ecotoxicity** There is no data on the product itself. The following information is provided on the basis of the individual component data available.

**12.1. Toxicity**

**Toxicity** Based on the individual component data, the product is expected to have experimental LC50/EC50 values between 10 and 100 mg/l in most sensitive species. Harmful to aquatic organisms.

**12.2. Persistence and degradability**

**Persistence and degradability** The product is not expected to be biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** Based on the individual component data, the product is expected to bioaccumulate.

**Partition coefficient** Not available.

**12.4. Mobility in soil**

**Mobility** There is no data available on the product itself.

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** Based on information received from our suppliers no PBT or vPvB substances are intentionally added to this product.

**12.6. Other adverse effects**

**Other adverse effects** None known.

**SECTION 13: Disposal considerations**

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### 13.1. Waste treatment methods

#### **Disposal methods**

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Controlled wastes include non-hazardous industrial and hazardous chemical wastes. All controlled wastes should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. In addition, hazardous chemical wastes should be disposed of in accordance with the Hazardous Waste Regulations. When in doubt, using information provided in this safety data sheet, advice should be obtained from the National regulating agency whether the Hazardous Waste Regulations apply. Refer to information sources listed in Section 16. COMPONENT DISPOSAL TRANSIT PACKAGING: shrink or stretch wrap, boxes and fittings that have not been contaminated with product should be re-used or recycled. UNREACTED PRODUCT and empty uncleaned containers should be disposed of as hazardous chemical waste. REACTED PRODUCT, contaminated mixing boards, spatulas, applicators, brushes, nominally empty containers and mixing bowls- once fully cured- should be disposed of as non-hazardous waste.

#### **Waste class**

List of Waste Code: 08 04 09\* \*Hazardous waste pursuant to Directive 91/689/EEC. The LoW code quoted in this section is a general entry. LoW codes should be assigned based on the end use of the product. Where a more specific code is available it should be used in preference to the code given above. Where in doubt refer to the List of Wastes, your local licensed waste contractor or the National regulating agency. Refer to information sources listed in Section 16.

### **SECTION 14: Transport information**

#### **General**

Labelling and packaging requirements may vary with pack and load size. Please refer to the current transport regulations. Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

#### 14.1. UN number

UN No. (ADR/RID) 3259

UN No. (IMDG) 3259

UN No. (ICAO) 3259

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** Amines, solid, corrosive, n.o.s. (containing 3,3'-oxybis(ethyleneoxy)bis(propylamine) and Diethylenetriamine mixture)

**Proper shipping name (IMDG)** Amines, solid, corrosive, n.o.s. (containing 3,3'-oxybis(ethyleneoxy)bis(propylamine) and Diethylenetriamine mixture)

**Proper shipping name (ICAO)** Amines, solid, corrosive, n.o.s. (containing 3,3'-oxybis(ethyleneoxy)bis(propylamine) and Diethylenetriamine mixture)

#### 14.3. Transport hazard class(es)

ADR/RID class 8

IMDG class 8

ICAO class/division 8

#### 14.4. Packing group

ADR/RID packing group II

IMDG packing group II

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ICAO packing group II

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not carried in bulk.

Not carried in bulk.

## SECTION 15: Regulatory information

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

#### **National regulations**

The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations with amendments apply to the use of this product at work. This product may add to the calculation for determining whether a site is within scope of the Control of Major Accident Hazards Regulations.

#### **EU legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### Inventories

#### **EU - EINECS/ELINCS**

All the ingredients are listed or exempt.

#### **Canada - DSL/NDSL**

All the ingredients are listed or exempt.

#### **US - TSCA**

All the ingredients are listed or exempt.

#### **Australia - AICS**

All the ingredients are listed or exempt.

#### **Japan - ENCS**

All the ingredients are listed or exempt.

#### **Korea - KECI**

All the ingredients are listed or exempt.

#### **China - IECSC**

All the ingredients are listed or exempt.

#### **Philippines – PICCS**

All the ingredients are listed or exempt.

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### New Zealand - NZIOC

All the ingredients are listed or exempt.

#### SECTION 16: Other information

<b>General information</b>	The information contained within this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant National legislation are complied with. The information contained within this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
<b>Key literature references and sources for data</b>	Provision and Use of Personal Protective Equipment Regulations 1992 (SI 1992: 2932). PPG18: Control of Spillages and fire fighting run-off. HSG53 The selection, use and maintenance of respiratory protective equipment, as amended. HSG97 A step by step guide to COSHH assessment. Working with ADR: An introduction to the carriage of dangerous goods by road. UK ENVIRONMENTAL REGULATING AGENCIES: England and Wales- Environment Agency; Scotland- Scottish Environment Protection Agency (SEPA); Northern Ireland- Environment and Heritage Service.
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Where there is no test data available for the mixture, the classification has been determined based on the individual component hazard data in accordance with EC 1272/2008.
<b>Training advice</b>	For further information please contact your supplier, Belzona consultant or Belzona direct.
<b>Revision comments</b>	New formulation. Please observe the REVISION DATE. Should you be reading a safety data sheet that is more than 24 months old or have concerns over its validity, please contact your local Belzona consultant or Belzona direct (sds@belzona.com) and the most current information will be sent to you.
<b>Revision date</b>	03/11/2021
<b>Revision</b>	1.0
<b>SDS number</b>	41304
<b>SDS status</b>	English. Approved.
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H335 May cause respiratory irritation. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.