

# **XL Brands**<sup>®</sup>

The following Bostik, Inc. product:

## **XL Brands LockDown EVB Kit**

is a kit comprised of the following two components:

**XL Brands LockDown EVB Part A**

**XL Brands LockDown EVB Part B**

The Safety Data Sheets for the two components are attached after this cover sheet.

Bostik, Inc.  
Product Safety and Regulatory Affairs

**XL BRANDS LOCKDOWN EVB PART A**  
Revision Number 1

Revision date 13-Sep-2021  
Supersedes Date: Not applicable

## 1. Identification

### 1.1. Product identifier

**Product Name** XL BRANDS LOCKDOWN EVB PART A

#### Other means of identification

**Other information** Not applicable

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

**Recommended use** Resin  
**Restrictions on use** No information available

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

#### Responsible Party

Bostik Inc.  
11320 W. Watertown Plank Road  
Wauwatosa, Wisconsin 53226 USA  
Phone: +1 (800) 843-0844 (Domestic Toll Free)  
Phone: +1 (414) 774-2250 (International)  
Fax: +1 (414) 774-8075

**E-mail** msds@bostik.com

### 1.4. Emergency telephone number

**Emergency Telephone** **Chemtrec** (Transport/Environmental): 1-800-424-9300  
1-703-527-3887 (Outside U.S.)  
**Rocky Mountain Poison Center:** 1-866-767-5089

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

#### Hazards not otherwise classified (HNOC)

Not applicable

### 2.2. Label elements

#### EMERGENCY OVERVIEW

<p><b>Warning</b></p> <p><b>Hazard statements</b> Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction</p>
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**Appearance** No information available      **Physical state** Liquid      **Odor** No information available

## Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
Take off contaminated clothing and wash before reuse  
If skin irritation or rash occurs: Get medical advice/attention

## Precautionary Statements - Disposal

Dispose of contents/ container to an approved waste disposal plant

5 % of the mixture consists of ingredient(s) of unknown toxicity

## 2.3. Other Information

No information available.

## 3. Composition/information on ingredients

### 3.1. Substances

Not applicable.

### Mixture

Chemical name	CAS No	Weight-%
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	25068-38-6	Proprietary
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5	Proprietary

*\*The exact percentage (concentration) of composition has been withheld as a trade secret*

## 4. First-aid measures

### 4.1. Description of first aid measures

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

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Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

## Skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Take off contaminated clothing and wash before reuse. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

## Ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. If swallowed, call a poison control center or physician immediately.

## Self-protection of the first aider

Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

### Symptoms

Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

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

### Note to physicians

May cause sensitization in susceptible persons. Treat symptomatically.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Large Fire

CAUTION: Use of water spray when fighting fire may be inefficient.

#### Unsuitable extinguishing media

Do not scatter spilled material with high pressure water streams.

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

#### Specific hazards arising from the chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

#### Hazardous combustion products

Hydrogen chloride. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

#### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

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

#### Personal precautions

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

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**Other information** Refer to protective measures listed in Sections 7 and 8.

## 6.2. Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Use personal protective equipment as required. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **7. Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse. Please refer also to Safety Data Sheet of Part B.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs. Keep from freezing.

**Recommended storage temperature** Do not freeze. Keep at temperatures between 41 and 95 °F / 5 and 35 °C.

### 7.3 References to other sections

**Reference to other sections** Section 10: STABILITY AND REACTIVITY  
Section 13: DISPOSAL CONSIDERATIONS

## **8. Exposure controls/personal protection**

### 8.1. Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### 8.2. Exposure controls

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## Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems. Ensure adequate ventilation, especially in confined areas.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes. Tight sealing safety goggles. If splashes are likely to occur. Face protection shield.

**Hand protection** Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General hygiene considerations** Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash it before reuse. Regular cleaning of equipment, work area and clothing is recommended.

## **9. Physical and chemical properties**

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

**Physical state** Liquid  
**Appearance** No information available  
**Color** No information available  
**Odor** No information available  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No data available	Not applicable
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flash point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability</b>	Not applicable for liquids .	
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Relative vapor density</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Water solubility</b>	No data available	None known
<b>Solubility(ies)</b>	No data available	None known

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Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

## 9.2. Other information

Explosive properties	No information available	
Oxidizing properties	No information available	
Solvent content (%)	No information available	
Solid content (%)	No information available	
Softening Point	No information available	
Molecular weight	No information available	
VOC Content (%)	0 % 0 g/L	No information available
Density	No information available	
Bulk density	No information available	

## **10. Stability and reactivity**

### 10.1. Reactivity

Reactivity No information available.

### 10.2. Chemical stability

Chemical stability Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid Do not freeze.

### 10.5. Incompatible materials

Incompatible materials Exothermic reaction with. Amines. Alcohols. Incompatible with oxidizing agents. Incompatible with strong acids and bases.

### 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions

## **11. Toxicological information**

### 11.1. Information on toxicological effects

#### Product Information

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Causes serious eye irritation. May cause redness, itching, and pain.
Skin contact	May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Causes skin irritation.
Ingestion	Based on available data, the classification criteria are not met.

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

**Symptoms** Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

## Acute toxicity

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 7,142.90 mg/kg

## Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6	LD50 (Rattus) > 2000 mg/kg OECD 420	>2000 mg/Kg (Rattus)	-
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol 9003-36-5	>2 g/kg (Rattus)	LD50 > 2000 mg/kg (Rattus) (OECD 402)	-

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

**Skin corrosion/irritation** Irritating to skin.

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Respiratory or skin sensitization** May cause sensitization by skin contact.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

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

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

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

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information



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## 12.1. Toxicity

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6	EC50 (72h) = 9.4 mg/L (Scenedesmus capricornutum) EPA-660/3-75-009	1.2 mg/l 96Hr (Oncorhynchus mykiss)	-	2.7 mg/l 48hr Daphia Magna

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

## 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

### Component Information

Chemical name	Partition coefficient
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6	3.26
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol 9003-36-5	3.6

## 12.4. Mobility in soil

**Mobility** No information available.

### Other adverse effects

**Other adverse effects** No information available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues/unused products** It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

## 14. Transport information

**Note:** The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition) The information shown here, may not always agree with the bill of lading shipping description for the material

**DOT** Not regulated

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## IATA

**UN number or ID number** UN3082  
**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s.  
**Transport hazard class(es)** 9  
**Packing group** III  
**Special Provisions** A97, A158, A197  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW, Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol), 9, III

## IMDG

**UN number or ID number** UN3082  
**UN proper shipping name** Environmentally hazardous substance, liquid, n.o.s.  
**Transport hazard class(es)** 9  
**Packing group** III  
**EmS-No** F-A, S-F  
**Special Provisions** 274, 335, 969  
**Marine pollutant** P  
**IMDG Marine Pollutant Name** Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW, Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol  
**Description** UN3082, Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW, Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol), 9, III, Marine Pollutant

## 15. Regulatory information

### International Inventories

<b>TSCA</b>	Listed
<b>DSL</b>	Listed

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**Listed** - The components of this product are either listed or exempt from listing on inventory.

**Not Listed** - One or more components of this product are not listed on inventory.

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

### Europe

#### **Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation. This document is based on the information given to us by our own suppliers at the date of this document.

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## SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## 16. Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Prepared By** Product Safety & Regulatory Affairs.

**Revision date** 13-Sep-2021

**Revision note** No information available.

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

**XL BRANDS LOCKDOWN EVB PART B**  
Revision Number 1

Revision date 13-Sep-2021  
Supersedes Date: Not applicable

## 1. Identification

### 1.1. Product identifier

**Product Name** XL BRANDS LOCKDOWN EVB PART B

### Other means of identification

**Other information** Not applicable

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

**Recommended use** Curing chemical  
**Restrictions on use** No information available

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

#### Responsible Party

Bostik Inc.  
11320 W. Watertown Plank Road  
Wauwatosa, Wisconsin 53226 USA  
Phone: +1 (800) 843-0844 (Domestic Toll Free)  
Phone: +1 (414) 774-2250 (International)  
Fax: +1 (414) 774-8075

**E-mail** msds@bostik.com

### 1.4. Emergency telephone number

**Emergency Telephone** **Chemtrec** (Transport/Environmental): 1-800-424-9300  
1-703-527-3887 (Outside U.S.)  
**Rocky Mountain Poison Center:** 1-866-767-5089

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

### Hazards not otherwise classified (HNOC)

Not applicable

### 2.2. Label elements

#### EMERGENCY OVERVIEW

**Danger**

#### Hazard statements

Harmful if swallowed  
Harmful if inhaled  
Causes severe skin burns and eye damage  
May cause an allergic skin reaction

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Suspected of causing genetic defects  
May cause damage to organs through prolonged or repeated exposure



**Appearance** No information available

**Physical state** Liquid

**Odor** No information available

## Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Do not breathe dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace

## Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor/physician  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
If skin irritation or rash occurs: Get medical advice/attention  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell  
Immediately call a POISON CENTER or doctor/physician  
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell  
Rinse mouth  
Do NOT induce vomiting

## Precautionary Statements - Storage

Store locked up

## Precautionary Statements - Disposal

Dispose of contents/ container to an approved waste disposal plant

## Unknown acute toxicity

16 % of the mixture consists of ingredient(s) of unknown toxicity

## 2.3. Other Information

No information available.

## 3. Composition/information on ingredients

### 3.1. Substances

Not applicable.

### Mixture

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Chemical name	CAS No	Weight-%
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	35 - 50
Benzyl alcohol	100-51-6	25 - 35
1,3-Benzenedimethanamine	1477-55-0	10 - 12.5
Phenol	108-95-2	5 - 7

*\*The exact percentage (concentration) of composition has been withheld as a trade secret*

## 4. First-aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
<b>Inhalation</b>	Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical advice/attention.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
<b>Ingestion</b>	If swallowed, rinse mouth with water (only if the person is conscious). Get immediate medical advice/attention. Do not induce vomiting without medical advice.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid breathing vapors or mists. Use personal protective equipment as required. See section 8 for more information.

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

<b>Symptoms</b>	Burning sensation. Itching. Rashes. Hives. Coughing and/ or wheezing. Difficulty in breathing.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	May cause sensitization in susceptible persons. Treat symptomatically.
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## 5. Fire-fighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

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

**Specific hazards arising from the chemical** Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.

**Hazardous combustion products** Carbon oxides. Ammonia. Nitrogen oxides (NOx).

### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

## 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. Accidental release measures**

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

**Personal precautions** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Use personal protective equipment as required. Dam up. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. After cleaning, flush away traces with water. Prevent product from entering drains.

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **7. Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Please refer also to Safety Data Sheet of Part A.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Protect from moisture. Keep from freezing.

**Recommended storage temperature** Do not freeze.

## 7.3 References to other sections

**Reference to other sections** Section 10: STABILITY AND REACTIVITY  
Section 13: DISPOSAL CONSIDERATIONS

## 8. Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
1,3-Benzenedimethanamine 1477-55-0	S* Ceiling: 0.018 ppm	(vacated) S* (vacated) Ceiling: 0.1 mg/m <sup>3</sup>	Ceiling: 0.1 mg/m <sup>3</sup>
Phenol 108-95-2	TWA: 5 ppm S*	TWA: 5 ppm TWA: 19 mg/m <sup>3</sup> (vacated) TWA: 5 ppm (vacated) TWA: 19 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 250 ppm Ceiling: 15.6 ppm 15 min Ceiling: 60 mg/m <sup>3</sup> 15 min TWA: 5 ppm TWA: 19 mg/m <sup>3</sup>

Chemical name	Argentina	Brazil	Chile	Colombia
1,3-Benzenedimethanamine 1477-55-0	Ceiling: 0.1 mg/m <sup>3</sup> Skin	Ceiling: 0.018 ppm	-	Ceiling: 0.018ppm
Phenol 108-95-2	TWA: 5 ppm Skin	TWA: 4 ppm TWA: 15 mg/m <sup>3</sup> Skin	LPP: 4.4 ppm LPP: 16.63 mg/m <sup>3</sup> S*	TWA: 5ppm

Chemical name	Costa Rica	Peru	Uruguay	Venezuela
1,3-Benzenedimethanamine 1477-55-0	Ceiling: 0.1mg/m <sup>3</sup>	-	0.018 ppm Ceiling	-
Phenol 108-95-2	TWA: 5ppm	TWA: 5ppm TWA: 19mg/m <sup>3</sup>	5 ppm TWA	Skin TWA: 5 ppm

### 8.2. Exposure controls

#### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems. Ensure adequate ventilation, especially in confined areas.



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## Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Tight sealing safety goggles. If splashes are likely to occur:. Face protection shield.
<b>Hand protection</b>	Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
<b>Skin and body protection</b>	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>General hygiene considerations</b>	Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended.

## **9. Physical and chemical properties**

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

<b>Physical state</b>	Liquid
<b>Appearance</b>	No information available
<b>Color</b>	No information available
<b>Odor</b>	No information available
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No data available	None known
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flash point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability</b>	Not applicable for liquids .	
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Relative vapor density</b>	No data available	None known
<b>Relative density</b>	No data available	None known
<b>Water solubility</b>	No data available	None known
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known

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## 9.2. Other information

Explosive properties	No information available	
Oxidizing properties	No information available	
Solvent content (%)	No information available	
Solid content (%)	No information available	
Softening Point	No information available	
Molecular weight	No information available	
VOC Content (%)	0 % 0 g/L	No information available
Density	No information available	
Bulk density	No information available	

## **10. Stability and reactivity**

### 10.1. Reactivity

Reactivity No information available.

### 10.2. Chemical stability

Chemical stability Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### 10.4. Conditions to avoid

Conditions to avoid Exposure to air or moisture over prolonged periods. Excessive heat. Do not freeze.

### 10.5. Incompatible materials

Incompatible materials Exothermic reaction with. Acids. Incompatible with oxidizing agents. and. Bases.

### 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions Thermal decomposition can lead to release of toxic/corrosive gases and vapors Ammonia Amines

## **11. Toxicological information**

### 11.1. Information on toxicological effects

#### Product Information

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Causes serious eye damage. Corrosive to the eyes and may cause severe damage including blindness. May cause irreversible damage to eyes.
Skin contact	corrosive. Causes burns. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	Causes burns. Ingestion causes burns of the upper digestive and respiratory tracts. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.

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

Symptoms Redness. Burning. May cause blindness. Coughing and/ or wheezing. Itching. Rashes.

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Hives.

## Acute toxicity

### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	963.80 mg/kg
ATEmix (dermal)	1,714.40 mg/kg
ATEmix (inhalation-dust/mist)	2.79 mg/l

### Unknown acute toxicity

- 16 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 16 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 16 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
3-aminomethyl-3,5,5-trimethylcy clohexylamine 2855-13-2	=1040 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus) OECD 402 LD50 = 1840 mg/kg (Oryctolagus cuniculus)	> 5.01 mg/L ( Rat ) 4 h 1.07 - 5.01 mg/L ( Rat ) 4 h
Benzyl alcohol 100-51-6	LD50 = 1620 mg/kg (Rattus)	= 2 g/kg (Oryctolagus cuniculus)	>4.17 mg/L (Rattus) 4 h
1,3-Benzenedimethanamine 1477-55-0	=930 mg/kg (Rattus)	> 2 g/kg (Oryctolagus cuniculus)	LC50 (4h) = 1.34 mg/L (Rattus) OECD 403
Phenol 108-95-2	=317 mg/kg (Rattus) = 340 mg/kg (Rattus)	= 630 mg/kg (Oryctolagus cuniculus)	=316 mg/m <sup>3</sup> (Rattus) 4 h

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

- Skin corrosion/irritation** Causes burns.
- Serious eye damage/eye irritation** Risk of serious damage to eyes. Causes burns.
- Respiratory or skin sensitization** May cause sensitization by skin contact.
- Germ cell mutagenicity** Contains a known or suspected mutagen. Suspected of causing genetic defects.
- Carcinogenicity** Based on available data, the classification criteria are not met.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Phenol 108-95-2	-	Group 3	-	-

#### Legend

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

- Reproductive toxicity** Based on available data, the classification criteria are not met.

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<b>STOT - single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Target organ effects</b>	Eyes, Kidney, Liver, Respiratory system, Skin, Central nervous system.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Other adverse effects</b>	No information available.
<b>Interactive effects</b>	No information available.

## 12. Ecological information

### 12.1. Toxicity

#### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
3-aminomethyl-3,5,5-trimethylcyclohexylamine 2855-13-2	EC50: =37mg/L (72h, Desmodesmus subspicatus)	LC50: =110mg/L (96h, Leuciscus idus)	-	EC50: =42mg/L (24h, Daphnia magna) EC50: 14.6 - 21.5mg/L (48h, Daphnia magna)
Benzyl alcohol 100-51-6	EC 50 (72h) = 700 mg/L (Pseudokirchnerella subcapitata) OECD 201	LC50 96 h = 460 mg/L (Pimephales promelas static)	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min	EC50 48 h = 230 mg/L (Daphnia magna)
1,3-Benzenedimethanamine 1477-55-0	EC50 (72h) = 20.3 mg/L (Pseudokirchnerella subcapitata) OECD 201	LC50 (96h) =87.6 mg/L (Oryzias latipes) Semi-static (OECD 203)	-	EC50 (48h) =15.2 mg/L (Daphnia magna) Static (OECD 202)
Phenol 108-95-2	EC50 72 h 187 - 279 mg/L (Desmodesmus subspicatus)	LC50 96 h =67.5 mg/L (Pimephales promelas flow-through)	EC50 21 - 36 mg/L 30 min EC50 = 23.28 mg/L 5 min EC50 = 25.61 mg/L 15 min EC50 = 28.8 mg/L 5 min EC50 = 31.6 mg/L 15 min	EC50 48 h =12 mg/L (Daphnia magna Static)

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

#### Component Information

Chemical name	Partition coefficient
3-aminomethyl-3,5,5-trimethylcyclohexylamine 2855-13-2	0.79
Benzyl alcohol 100-51-6	1.1

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1,3-Benzenedimethanamine 1477-55-0	0.18
Phenol 108-95-2	1.5

## 12.4. Mobility in soil

**Mobility** No information available.

### Other adverse effects

**Other adverse effects** No information available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

**Waste from residues/unused products** It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

## 14. Transport information

**Note:** The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition) The information shown here, may not always agree with the bill of lading shipping description for the material

### DOT

**UN/ID No** UN2735  
**Proper Shipping Name** Amines, liquid, corrosive, n.o.s.  
**Transport hazard class(es)** 8  
**Packing Group** III  
**DOT reportable quantity - lbs** Phenol: RQ (lb)= 1000.00  
**Reportable Quantity (RQ)** (Phenol: RQ (kg)= 454.00)  
**Special Provisions** IB3, T7, TP1, TP28  
**Marine Pollutant** Np  
**Description** UN2735, Amines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, 1,3-Benzenedimethanamine), 8, III  
**Emergency Response Guide Number** 153

### IATA

**UN number or ID number** UN2735  
**UN proper shipping name** Amines, liquid, corrosive, n.o.s.  
**Transport hazard class(es)** 8  
**Packing group** III  
**Special Provisions** A3, A803  
**Description** UN2735, Amines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, 1,3-Benzenedimethanamine), 8, III

### IMDG

**UN number or ID number** UN2735  
**UN proper shipping name** Amines, liquid, corrosive, n.o.s.

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Transport hazard class(es)	8
Packing group	III
EmS-No	F-A, S-B
Special Provisions	223, 274
Marine pollutant	NP
Description	UN2735, Amines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine, 1,3-Benzenedimethanamine), 8, III

## 15. Regulatory information

### International Inventories

TSCA	Listed
DSL	Listed

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

Listed - The components of this product are either listed or exempt from listing on inventory.

Not Listed - One or more components of this product are not listed on inventory.

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	CAS No	SARA 313 - Threshold Values %
Phenol	108-95-2	1.0

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

### Europe

#### Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation. This document is based on the information given to us by our own suppliers at the date of this document.

#### SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## 16. Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

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Prepared By Product Safety & Regulatory Affairs.

Revision date 13-Sep-2021

Revision note No information available.

## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**