

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Product name: CIM 500 Part A

Product description: Castable resin - Part A

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

Common uses: Cast in motion.

1.3 Details of the supplier of the safety data sheet

N/A

E-mail address of person responsible for this SDS: N/A

1.4 Emergency telephone number

Emergency telephone number (with hours of operation): N/A

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification according to GHS:

Skin Irrit. 2 H315

Eye Irrit. 2A H319

Skin Sens. 1 H317

Aquatic Chronic 2 H411

Classification according to 29 CFR 1910.1200 (OSHA HCS):

Skin Irrit. 2 H315

Eye Irrit. 2A H319

Skin Sens. 1 H317

Aquatic Chronic 2 H411

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Skin irrit. 2 H315

Eye irrit. 2 H319

Skin Sens. 1 H317

Aquatic chronic 2 H411

See section 16 for the full text of the H-statements declared above.

2.2 Label elements

Labelling according to GHS:

Hazard pictogram(s):



Signal word: Warning

Hazard statement(s):

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

SAFETY DATA SHEET

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

Labelling according to 29 CFR 1910.1200 (OSHA HCS)

Hazard pictogram(s):



Signal word: Warning

Hazard statement(s):

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictogram(s):



Signal word: Warning

Hazard statement(s):

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

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

2.3 Other hazard

Not available

SECTION 3: Composition / information on ingredients**3.2 Mixtures:**

Ingredient name	Identifiers	%	CLP Classification	GHS Classification	OSHA HCS
bis-[4-(2,3-epoxipropoxy)phenyl]propane	CAS number: 1675-54-3 EC number: 216-823-5	50.0-99.0	Skin Irrit. 2 H315 Eye Irrit. 2 H319 Skin Sens. 1 H317 Aquatic Chronic 2 H411	Skin Irrit. 2 H315 Eye Irrit. 2A H319 Skin Sens. 1 H317 Aquatic Chronic 2 H411	Skin Irrit. 2 H315 Eye Irrit. 2A H319 Skin Sens. 1 H317 Aquatic Chronic 2 H411
Polyamine amide salt	CAS number: N/A EC number: N/A	<5.0	Skin Irrit. 2 H315	Skin Irrit. 2 H315	Skin Irrit. 2 H315
Phosphoric acid polyester	CAS number: N/A EC number: N/A	<5.0	Eye Irrit. 2 H319	Eye Irrit. 2A H319	Eye Irrit. 2A H319

See section 16 for the full text of the H-statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

SECTION 4: First aid measures**4.1 Description of first aid measures**

Eyes contact: In case of contact with eyes, rinse immediately with plenty of soap and water for at least 15 minutes. Get medical attention.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes. Get medical attention.

Inhalation: Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

Ingestion: **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

4.3 Indication of any immediate medical attention and special treatment needed

Not available

SECTION 5: Fire-fighting measures**5.1 Extinguishing media**

Suitable: Foam, carbon dioxide, dry chemical, water fog.

Not suitable: N/A

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic fumes.

5.3 Advice for firefighters

Special protective equipment for fire fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode. Cool containers exposed to flame with water spray until well after fire is out.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area of spill.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

6.4 Reference to other sections

See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapors, spray, mist or gas. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures. Avoid release to the environment.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep container tightly closed in a dry, cool and well-ventilated place. Protected from direct sunlight. Keep away from strong oxidizing agents, sodium hydroxide.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Occupational exposure limits values: N/A

8.2 Exposure controlsEngineering measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective measures

Respiratory protection: Suitable respirator. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective gloves to prevent skin exposure.

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Environmental exposure controls: Not available

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance: Black-Gray thick liquid
 Odour: characteristic
 Odour threshold: N/A
 pH: N/A
 Melting point/Freezing point: N/A
 Initial boiling point/boiling range: N/A
 Flash point: N/A
 Evaporation rate: N/A
 Flammability: N/A
 Upper/lower flammability or explosive limits: N/A
 Vapor pressure: N/A
 Vapor density: N/A
 Relative density: N/A
 Solubility(ies): N/A
 Partition coefficient Octanol/Water: N/A
 Auto-ignition temperature: N/A
 Decomposition temperature: N/A
 Viscosity: N/A
 Explosive properties: N/A
 Oxidizing properties: N/A

9.2 Other information:

N/A

SECTION 10: Stability and reactivity**10.1 Reactivity**

Not available

10.2 Chemical stability

The product is stable under normal handling and storage conditions described in Section 7.

10.3 Possibility of hazardous reactions

Hazardous reactions are not expected, under normal conditions of storage and use.
 bis-[4-(2,3-epoxypropoxy)phenyl]propane: Reacts violently with strong oxidising agents. Polymerises exothermically with amines, mercaptans and Lewis acids at ambient temperature and above. Polymerises in contact with caustic soda. Reacts exothermically with bases (eg caustic soda), ammonia, primary and secondary amines, alcohols, water and acids.

10.4 Conditions to avoid

Direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents, sodium hydroxide.

10.6 Hazardous decomposition products

Other decomposition products: not available
 In the event of fire: see section 5

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute toxicity:

Product/ingredient name	Test	Species	Dose
bis-[4-(2,3-epoxypropoxy)phenyl]propane	LD50, Oral	Rat	11400 mg/kg
	LD50, Dermal	Rat	2000 mg/kg

SAFETY DATA SHEET

Product/ingredient name	Test	Species	Dose
Phosphoric acid polyester	LD50, Oral	Rat	>5000 mg/kg

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
bis-[4-(2,3-epoxipropoxy)phenyl]propane	LC50/72h (Algae) > 11 mg/l	LC50/96h (Fish) 1.3 mg/l	EC50/48h (Daphnia Magna) 2.1 mg/l NOEC/21d (Daphnia Magna) 0.3 mg/l

12.2 Persistence and Degradability

bis-[4-(2,3-epoxipropoxy)phenyl]propane: Not readily biodegradable: 6-12% after 28d.

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

Not available

12.5 Results of PBT and vPvB assessment

Not available

12.6 Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Packing

Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

14.1 Un number

ADR/RID: 3082

IMDG: 3082

IATA: 3082

DOT (US): 3082

14.2 UN proper shipping name

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxipropoxy)phenyl]propane)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxipropoxy)phenyl]propane)

IATA: Environmentally hazardous substance, liquid, n.o.s. (bis-[4-(2,3-epoxipropoxy)phenyl]propane)

DOT (US): ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxipropoxy)phenyl]propane)

14.3 Transport hazard class(es)

ADR/RID: 9

IMDG: 9

IATA: 9

DOT (US): 9

14.4 Packing group

ADR/RID: III

IMDG: III

IATA: III

DOT (US): III

14.5 Environmental hazard

Marine pollutant: yes

14.6 Special precautions for user

N/A

14.7 Transport to bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

SECTION 15: Regulatory information

This SDS complies with the following requirements of:

EU Regulation (EC) No.1907/2006 (REACH) including amendments

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

29 CFR 1910.1200 (OSHA HCS)

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixtureCalifornia Prop. 65 Components

To the best of our knowledge the product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA inventory

The substances in this product are included on or exempted from the TSCA inventory.

15.2 Chemical safety assessment

Not available

SECTION 16: Other information

Full text of Hazards Statements referred to in sections 2 and 3:

Skin Irrit. - Skin irritation

Eye Irrit. - Eye irritation

Skin Sens. - Skin sensitization

STOT SE - Specific target organ toxicity — single exposure

Aquatic Chronic - Hazardous to the aquatic environment

H315: Causes skin irritation.

H319: Causes eye irritation.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

H411: Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

Training advice: Before using/handling the product one must read carefully present SDS.

Key Legend Information:

CAS- Chemical Abstract Service

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

N/A- Not available

H-statements- Hazard statements

TLV- Threshold Limit Value

TWA- Time-weighted average

STEL- Short-Term Exposure Limit

CSA- Chemical safety assessment

Date of issue: 04/01/2022

Date of revision: 24/04/2022

Version no.: 2

This SDS and the information presented within it are based on data held by Hazmat, Ltd. and the current legislation as at the date stated on it. Anyone wishing to make use of the information presented within this document is obligated to update its instructions from time to time. The information presented in the SDS is based on the manufacturer's data and/ or the supplier of the substance/ product which is the subject of this SDS, as provided to Hazmat, Ltd. by the client and in the absence of such data the information was taken from a variety of literary professional sources. The information presented in this SDS is appropriate for the uses specified in paragraph 1 of the SDS only. It is emphasized, that the information specified in this SDS does not replace specific safety instructions for uses of the substance/ product which is the subject of this SDS, which were not explicitly specified in the SDS. Individual professional consultation should be received, and specific safety instructions should be read prior to any mixing of the substance which is the subject of this SDS with other substances and the stated in this SDS does not cover the entire safety instructions relating to mixing the substance which is the subject of this SDS with other substances and does not constitute a replacement to obtaining specific consultation as stated. Hazmat, Ltd. is not liable to any damage and/ or any loss, financial or otherwise, and will not accept responsibility, directly or indirectly, to damages of any kind, including as a result of failure to update and/ or misunderstanding and/ or misuse/ misinterpretation of the information within the document. Any question arising regarding the use of the SDS should be directed to Hazmat, Ltd., 19 Ha'Melacha st. Rosh Ha'Ayin, Tel: +972-3-9037141, fax: +972-3-9032717, email: hazmat@hazmat.co.il. The information detailed in this SDS was prepared by Hazmat, Ltd. for the orderer of the SDS and is for their use only. The contents of this SDS is the property of Hazmat, Ltd. only and it is strictly prohibited to copy, modify, edit, distribute, sell or take any other action which involves infringement of Hazmat's copyrights without the prior written consent of Hazmat, Ltd.