



Material Safety Data Sheet (MSDS)

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SOUND MOLD EP4423 RESIN

1. Company and product information

Trade name: SOUND MOLD EP 4423 RESIN

Company information:

SOUND BUILD CARE PVT LTD

Address: UNIT NO. 13, SWASTIK CHAMBERS, CST ROAD , CHEMBUR, MUMBAI – 400 071

Tel: 91 377 66 817

2. Hazards identification

Hazard classification

Skin irritation - Category 2

Serious eye damage - Category 1

Skin sensitisation - Category 1

Label elements

Hazard pictograms



Signal word: **DANGER!**

Hazards statements

H314 Causes serious eye and skin damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects

Precautionary statements (Prevention)

P260 Avoid breathing dust /fume /gas /mist /vapours / spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear eye protection / face protection and Wear protective gloves.

Precautionary statements (Response)

P310 Immediately call a POISON CENTER / doctor

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.



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Remove contact lenses, if present and easy to do. Continue rinsing.

P303 + P361 + P352 IF ON SKIN: Remove material from skin immediately by washing with soap and plenty of water.

P304 + P340 Move person to fresh air; if effects occur, consult a physician.

P301 + P330 Rinse mouth with water. Consult a physician.

P362 + P364 Take off contaminated clothing and wash before reuse.

Precautionary statements (Storage)

P405+P403 Store locked up and Store in a well-ventilated place

Precautionary statements (Disposal)

P-501 Dispose of contents/ container to an approved waste disposal plant

Other hazards

No data available

3. Composition / information on ingredients

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Components:

bisphenolA-(epichlorhydrin);epoxy resin	CAS: 25068-38-6	75%
1,4-bis(2,3-epoxypropoxy)butanediol	CAS: 2425-79-8	8%
CaCO ₃	CAS: 471-34-1	17%

4. First-aid measures

Description of first aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Skin contact: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. Suitable emergency safety



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shower facility should be available in work area.

Eye contact: Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

Ingestion: No emergency medical treatment necessary.

Most important symptoms and effects, both acute and delayed: Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicological information.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient

5. Fire-fighting measure

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards caused by the substance, its products of combustion or resulting gases: In case of fire, the following can be released:

Carbon monoxide (CO)

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Hydrogen chloride (HCl).

Protective equipment: Wear fully protective suit. Wear self-contained respiratory protective device.

Additional information : Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations



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6. Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. Handling and storage

Handling:

Information for safe handling: Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

Storage stability

Storage temperature:	Shelf life: Use with in
23°C	24 Month

8. Exposure controls / personal protection

Additional information about design of technical facilities: No further data; see item 7

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures are to



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Melting point/Melting range:	NA °C
Boiling point/Boiling range:	>200 °C (DIN 53171)
Flash point:	>194 °C (ISO 2719)
Ignition temperature:	>300 °C (DIN 51794)
Decomposition temperature:	>200 °C (DIN 53171)
Self-igniting:	Product is not self igniting.
Danger of explosion:	Product does not present an explosion hazard
Density at 25°C:	About 0.72 g/cm ³
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
organic solvents:	Soluble in many organic solvents.
Oxidizing properties:	No data available
Molecular weight:	No data available

10. Stability and reactivity

Conditions to avoid: Avoid temperatures above 300 °C Potentially violent decomposition can occur above 350 °C Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.

Dangerous reactions: May produce violent reactions with bases and numerous organic substances including alcohols and amines.

Incompatible materials: Avoid contact with oxidizing materials. Avoid contact with: Acids. Bases. Avoid unintended contact with amines.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

11. Toxicological information

Acute toxicity:

CAS : 25068-38-6	bisphenolA-(epichlorhydrin);epoxy resin	
Oral	LD50	11400 mg/kg(rat)



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Dermal	LD50	>2000 mg/kg(rabbit)
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Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitisation: May cause sensitisation by skin contact.

12. Ecological information

Ecotoxicological information appears in this section when such data is available.

Acute toxicity

CAS : 25068-38-6	bisphenolA-(epichlorhydrin);epoxy resin
EC50/LC50 (96h)	1-10mg/L(Fish)
EC50(72h)	11mg/L (algae/aquatic plants)
IC50(18h)	>42.6mg/L (bacteria)
EC50(48h)	1.8 mg/L(Water flea)
CAS : 2425-79-8	1,4-bis(2,3-epoxypropoxy)butanediol
EC50/LC50 (96h)	10-100mg/L(Fish)
EC50(72h)	>160mg/L (algae/aquatic plants)
EC50(24h)	75mg/L(Water flea)

Information about elimination (persistence and degradability):

Other information: The product is difficultly biodegradable.

13. Disposal considerations

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose of the product by burning in a suitable incinerator or bury in an approved landfill following all applicable local and/or national regulations.

Uncleaned packaging:



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Recommendation:

Empty containers may not be disposed of unless any remaining material adhering to the internal walls has been removed.

Disposal must be made according to official regulations.

14. Transport information

Land transport ADR / RID (cross-border)



ADR/RID class:	9 Miscellaneous dangerous substances and articles.
UN-Number:	3077
Packaging group:	III
Hazard label	9
Special marking:	Symbol (fish and tree)
Description of goods:	3077 Environmentally hazardous substance, solid, N.O.S. (bisphenolA-(epichlorhydrin);epoxy resin)

Maritime transport IMDG:



IMDG class:	9
UN-Number:	3077
Packaging group:	III
Hazard label	9
Special marking:	Symbol (fish and tree)
Description of goods:	3077 Environmentally hazardous substance, solid, N.O.S. (bisphenolA-(epichlorhydrin);epoxy resin)

Air transport ICAO-TI and IATA-DGR



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IMDG class:	9
UN-Number:	3077
Packaging group:	III
Hazard label	9
Special marking:	Symbol (fish and tree)
Description of goods:	3077 Environmentally hazardous substance, solid, N.O.S. (bisphenolA-(epichlorhydrin);epoxy resin)

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. Regulatory information

Labelling according to EU guidelines:

The product has been marked in accordance with EU Directives / respective national laws.

Code letter and hazard designation of product:

C Corrosive

Hazard-determining components of labelling:

BisphenolA-(epichlorhydrin);epoxy resin

Epoxy derivatives

Risk phrases:

21/22 Harmful in contact with skin and if swallowed.

36/38 Irritating to eyes and skin.

40 Limited evidence of a carcinogenic effect.

43 May cause sensitisation by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical



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be adhered to when handling chemicals. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

Protection of hands: Protective gloves



Material of gloves

Synthetic rubber gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses Tightly sealed goggles



Body protection: Protective work clothing

9. Physical and chemical properties

General Information

Form:	Paste
Odour:	Weak, characteristic
Colour:	Grey
PH	No test data available



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advice.

28 After contact with skin, wash immediately with plenty of water.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

57 Use appropriate container to avoid environmental contamination.

60 This material and its container must be disposed of as hazardous waste.

Special labelling of certain preparations:

Contains epoxy constituents. See information supplied by the manufacturer.

National regulations:

Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

20/21 Harmful by inhalation and in contact with skin.

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.