

**STRONGTITE****GHS SAFETY DATA SHEET****EPOXY PUTTY**

HIGH STRENGTH GENERAL PURPOSE EPOXY COMPOUND

SECTION 1 – PRODUCT & COMPANY IDENTIFICATION**PRODUCT NAME:** HP STRONGTITE General Purpose Epoxy Putty
SUPPLIER: HP ADHESIVES LIMITED**PRODUCT USE:** Product For Construction Chemicals**ADDRESS:** G-11 Unique House, Chakala Road
Andheri (E) Mumbai 400099 INDIA
T: +91 22 2932 4739 F: +91 22 2834 9596**EMERGENCY:** Transportation: CHEMTEL Tel. 800.255-3924, 813-248-0585 (International)**MEDICAL:** Tel. 800.451.8346, 760.602.8703 3E Company (International)**SECTION 2 – HAZARDOUS IDENTIFICATION****LABEL ELEMENTS**According to Directive 67/548/EEC or 1999/45/EC
Directive 1999/45/EC ('Preparation Directive')

Hazard symbol(s)

Xi Irritant.



R-phrases		S-phrases	
R36/38	Irritating to eyes and skin.	S2	Keep out of the reach of children.
R43	May cause sensitization by skin contact.	S24	Avoid contact with skin.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	S29	Do not empty into drains.
		S37	Wear suitable gloves.
		S46	If swallowed, seek medical advice immediately and show this container or label.

The product is classified and labelled in accordance with EC Directives.

Hazard determining component(s) for labelling: BISPHENOL-A-EPICHLORHYDRIN RESINS M <= 700

Classification of the substance or mixture

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards: Irritating to eyes and skin.

May cause sensitization by skin contact.

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

Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

If applicable information is provided in this section on other hazards which do not result in classification, but which may contribute to the overall hazards of the substance or mixture.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**CHEMICAL NATURE**

Preparation based on: Polyamine, modified

Hazardous ingredients (GHS) according to Regulation (EC) No. 1272/2008

Reaction Product:	Bisphenol-A-(epichlorhydrin) Epoxy Resin (number average molecularweight <= 700)		
Content (W/W):	>= 20 % - < 25 %	Skin Corr./Irrit. 2	
CAS Number:	25068-38-6	Eye Dam./Irrit. 2	
		Skin Sens. 1	
		Aquatic Chronic 2	
		H319, H315, H317, H411	

Hazardous ingredients according to Directive 1999/45/EC

Reaction Product:	Bisphenol-A-(epichlorhydrin) epoxy resin (number average molecularweight <= 700)		
Content (W/W):	>= 20 % - < 25 %	Hazard symbol(s):	Xi, N
CAS Number:	25068-38-6	R-phrases(s):	36/38, 43, 51/53

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.



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SECTION 4 – FIRST AID MEASURES**DESCRIPTION OF FIRST AID MEASURES**

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

- If Inhaled:** If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.
- On Skin Contact:** After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.
- On Contact With Eyes:** Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
- On Ingestion:** Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.
- Most important symptoms and effects, both acute and delayed**
- Symptoms:** Eye irritation, skin irritation, allergic contact dermatitis
- Indication of any immediate medical attention and special treatment needed**
- Treatment:** Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5 – FIREFIGHTING MEASURES**EXTINGUISHING MEDIA**

- Suitable extinguishing media:** Foam, water spray, dry powder, carbon dioxide
- Unsuitable extinguishing media for safety reasons:** Water jet
- Special hazards arising from the substance or mixture:** Carbon monoxide, Carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black
- Advice for fire-fighters:** Special protective equipment:
Wear a self-contained breathing apparatus.
- Further information:** The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions: Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.**Methods and material for containment and cleaning up:** For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed. For large amounts: Pump off product.**Reference to other sections:** Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.**SECTION 7 – HANDLING AND STORAGE**

- Precautions for safe handling:** Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.
- Protection against fire and explosion:** The product does not contribute to the spreading of flames, nor is it self-combustible, not explosive. Take precautionary measures against static discharges.
- Conditions for safe storage, including any incompatibilities**
- Suitable materials for containers:** tin (tinplate)
- Further information on storage conditions:** Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.
- Specific end use(s):** For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION**Control parameters**Components with workplace control parameters

The substances without values are not listed in the occupational exposure regulations for the validity area of this safety data sheet.

Exposure controlsPersonal protective equipment**Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).



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General safety and hygiene measures

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Form:	paste	Ignition temperature:	No data available.
Colour:	black	Vapour pressure:	< 1000 mbar (50 °C)
Odour:	characteristic	Solubility in water:	miscible (20 °C)
pH value:	not determined	Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Melting point:	not applicable	Viscosity, dynamic:	< 20 mPa.s (25 °C)
Boiling point:	> 150 °C	Explosion hazard:	not explosive
Flash point:	> 110 °C		

Other information

Bulk density:	not applicable
Miscibility with water:	(20 °C) not soluble
Other information:	If necessary, information on other physical and chemical parameters is indicated in this section.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	No hazardous reactions if stored and handled as prescribed/indicated.
Corrosion to metals:	No data available.
Chemical stability:	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions:	The product is stable if stored and handled as prescribed/indicated.
Conditions to avoid:	See MSDS section 7 - Handling and storage.
Incompatible materials	
Substances to avoid:	strong acids, strong bases, strong oxidizing agents
Hazardous decomposition products	
No hazardous decomposition products if stored and handled as prescribed/indicated.	

SECTION 11 - TOXICOLOGICAL INFORMATION**Information on toxicological effects**

Acute toxicity	
Assessment of acute toxicity:	Virtually nontoxic after a single ingestion.
Irritation	
Assessment of irritating effects:	Eye contact causes irritation. Skin contact causes irritation. The product has not been tested. The statement has been derived from the properties of the individual components.
Respiratory/Skin sensitization	
Assessment of sensitization:	Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.
Germ cell mutagenicity	
Assessment of mutagenicity:	The chemical structure does not suggest a specific alert for such an effect.
Carcinogenicity	
Assessment of carcinogenicity:	Based on the ingredients there is no suspicion of a carcinogenic effect in humans.
Reproductive toxicity	
Assessment of reproduction toxicity:	The chemical structure does not suggest a specific alert for such an effect.
Developmental toxicity	
Assessment of teratogenicity:	The chemical structure does not suggest a specific alert for such an effect.
Repeated dose toxicity and Specific target organ toxicity (repeated exposure)	
Assessment of repeated dose toxicity:	The product has not been tested. The statement has been derived from the properties of the individual components.
Other relevant toxicity information	
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.	



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SECTION 12 - ECOLOGICAL INFORMATION

Toxicity
Assessment of aquatic toxicity: Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

Persistence and degradability
Assessment biodegradation and elimination (H2O): Not readily biodegradable (by OECD criteria).
The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Bioaccumulative potential
Bioaccumulation potential: Because of the product's consistency and low water solubility, bioavailability is improbable.

Mobility in soil (and other compartments if available)
Assessment transport between environmental compartments: The substance will not evaporate into the atmosphere from the water surface.
Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected. The product has not been tested. The statement has been derived from the properties of the individual components.

Results of PBT and vPvB assessment
The product does not fulfill the criteria for PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative).

Additional information
Other ecotoxicological advice: Do not allow to enter soil, waterways or waste water channels. The product has not been tested. The statement has been derived from the properties of the individual components.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Waste treatment methods
Observe national and local legal requirements.
Residues should be disposed of in the same manner as the substance/product.
Contaminated packaging:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

SECTION 14 - TRANSPORT INFORMATION

Land transport
ADR: Not classified as a dangerous good under transport regulations
RID: Not classified as a dangerous good under transport regulations

Inland waterway transport
AND: Not classified as a dangerous good under transport regulations

Sea transport
IMDG: Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO: Not classified as a dangerous good under transport regulations

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

SECTION 16 - OTHER INFORMATION

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

Xi	Irritant	Eye Dam./Irrit.	Serious eye damage/eye irritation Skin Sens. Skin sensitization
N	Dangerous for the environment.	H319	Causes serious eye irritation.
36/38	Irritating to eyes and skin.	H315	Causes skin irritation.
43	May cause sensitization by skin contact.	Aquatic Chronic	Hazardous to the aquatic environment - chronic
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	H317	May cause an allergic skin reaction.
Skin Corr./Irrit.	Skin corrosion/irritation	H411	Toxic to aquatic life with long lasting effects.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.



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Specification Information:

Department issuing data sheet: HP ADHESIVES LIMITED Quality Control
E-mail address: <qc@hpadhesives.com>
Training necessary: Yes, training in practices and procedures contained in product literature.
Reissue date / reason for reissue: 12/04/2022 / Updated GHS Standard Format
Intended Use of Product: Product For Construction Chemicals

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.



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