

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

1.1. Product identifier

Product name : Stick Fast Epoxy Resin 318

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

Use of the substance/mixture : Epoxy Resin

1.3. Details of the supplier of the safety data sheet

TMI Products Inc.
 248 Claridge Curve
 Peachtree City, GA 30269 - United States
 T 770-631-7897; F 770-577-5200
 www.tmiproducts.net

1.4. Emergency telephone number

Emergency number : CHEMTEL: 1-888-255-3924 1-813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315
 Eye Irrit. 2B H320
 Skin Sens. 1 H317

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H320 - Causes eye irritation

Precautionary statements (GHS-US) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
 P264 - Wash hands and skin thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P271 - Use only in a well-ventilated area
 P273 - Avoid release to the environment
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P501 - Dispose of contents/container to local, regional, national, and international regulations

SECTION 3: Composition/information on ingredients

3.1. Substance

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Bisphenol A Epoxy Resin	(CAS No) 25068-38-6	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1, H317

Stick Fast Epoxy Resin 318

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice / attention.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Take victim to a doctor if irritation persists. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.
- First-aid measures after ingestion : Immediately after ingestion: give lots of water or milk to drink.

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

- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes eye irritation.
- Symptoms/injuries after ingestion : No effects known.

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

If exposed or concerned get medical advice / attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide. Dry chemical powder. Water spray or fog.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Explosion hazard : Exposure to fire may cause containers to rupture/explode.
- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

- Firefighting instructions : Use a self-contained breathing apparatus and also a protective suit. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE) to prevent and minimize contact with skin. Face-shield. Safety glasses. Gloves. Have safety shower, eye wash fountain.
- Emergency procedures : Evacuate unnecessary personnel. Keep suitable chemically resistant protective clothing readily available for emergency use. Notify experts.

6.1.2. For emergency responders

- Protective equipment : Use appropriate personal protection equipment (PPE).
- Emergency procedures : Evacuate unnecessary personnel. Ventilate area. Stop leak if safe to do so. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc. Ventilate area. Place spent adsorbent in sealed packages and contact specialist waste disposal contractor. Remove residual with soap and water.
- Methods for cleaning up : Absorb and/or contain spill with inert material (sand), then place in suitable container. Collect spillage. Contaminated surfaces: clean (treat) with an excess of water. Wash clothing and equipment after handling.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from ignition sources/sparks. Keep container tightly closed. Observe normal hygiene standards. Use only in well ventilated areas. Keep away from children.
- Hygiene measures : Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
- Storage conditions : Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
- Incompatible products : Oxidizing agents. Strong acids. Strong bases. Amines.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Provide appropriate local exhaust. Use only in well ventilated areas.

8.2. Exposure controls

- Personal protective equipment : Chemical resistant gloves. Safety goggles. Face shield. Full protective flameproof clothing. Respiratory protection of the dependent type.
- Hand protection : Nitrile rubber (NBR) /.
- Eye protection : Chemical goggles or face shield.
- Skin and body protection : Protective clothing.
- Respiratory protection : Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Colorless to pale yellow liquid.
- Colour : Colourless to pale yellow.
- Odour : Mildly aromatic.
- Odour threshold : No data available
- pH : ~7
- Freezing point : No data available
- Boiling point : > 500 °F
- Flash point : > 500 °F
- Flammability : Not applicable
- Vapour density at 20 °C : < 1
- Specific gravity : 1.16 - 1.18
- Solubility : Insoluble in water.
- Explosive limits : No data available

9.2. Other information

- VOC : <12 g/l [Test method: tested per EPA method 24]

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will not occur. Keep away from oxidizing agents, strong bases and amines. Masses of more than one pound plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep away from oxidizing agents, strong bases and amines. Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature reaction (exothermic) with production of intense heat and smoke.

10.5. Incompatible materials

Oxidizing agent. Strong bases. amines.

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10.6. Hazardous decomposition products

Uncontrolled exothermic reaction of epoxy resins release phenolics and carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Bisphenol A Epoxy Resin	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Dangerous for the environment.

Bisphenol A Epoxy Resin (25068-38-6)	
LC50 fishes 1	1 - 10 mg/l (PISCES; ESTIMATED VALUE)
EC50 Daphnia 1	1 - 10 mg/l (INVERTEBRATA; ESTIMATED VALUE)
EC50 other aquatic organisms 1	1 - 10 mg/l (ALGAE; ESTIMATED VALUE)
EC50 other aquatic organisms 2	10 - 100 mg/l (ACTIVATED SLUDGE; ESTIMATED VALUE)

12.2. Persistence and degradability

Stick Fast Epoxy Resin 318	
Persistence and degradability	No data available.

Bisphenol A Epoxy Resin (25068-38-6)	
Persistence and degradability	Literature reports: not readily degradable in water.

12.3. Bioaccumulative potential

Bisphenol A Epoxy Resin (25068-38-6)	
Bioaccumulative potential	According to literature, bioaccumulative.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Remove waste in accordance with local and/or national regulations.
Waste disposal recommendations : Dispose of completely cured (or polymerized) wastes in a sanitary landfill. As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator in the presence of a combustible material.
Ecology - waste materials : Avoid release to the environment. Remove waste in accordance with local and/or national regulations.

SECTION 14: Transport information

In accordance with DOT

UN-No.(DOT) : Not Regulated for transport.

Additional information

Other information : No supplementary information available.

ADR

Transport document description : Not Regulated.

Transport by sea : Not Regulated.

Air transport : Not Regulated.

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SECTION 15: Regulatory information

15.1. US Federal regulations

Stick Fast Epoxy Resin 318	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Bisphenol A Epoxy Resin (25068-38-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. International regulations

CANADA

No additional information available

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

Skin Irrit. 2 H315

Eye Irrit. 2A H319

Skin Sens. 1 H317

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36/38

R43

15.2.2. National regulations

No additional information available

15.3. US State regulations

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

Full text of H-phrases:

Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H320	Causes eye irritation

NFPA fire hazard

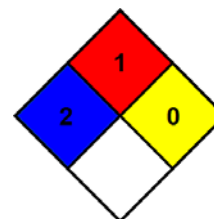
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

1 - Must be preheated before ignition can occur.

NFPA reactivity

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 1 Slight Hazard

Physical : 0 Minimal Hazard

SDS US (GHS HazCom 2012)

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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