

Stick Fast Epoxy 318 - Hardener

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
 Date of issue: 02/10/2015 Revision date: 02/10/2015 Version: 2.0

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

1.1. Product identifier

Product name : Stick Fast Epoxy 318 - Hardener

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

Use of the substance/mixture : Epoxy resin hardener

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

Acute Tox. 4 (Oral) H302
 Skin Irrit. 2 H315
 Eye Irrit. 2A H319
 Resp. Sens. 1B H334
 Skin Sens. 1 H317

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H302 - Harmful if swallowed
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

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
Mercaptan Amine Blend	Proprietary	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1B, H334 Skin Sens. 1, H317

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Respiratory problems: consult a doctor/medical service.
- First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Get immediate medical advice/attention.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes holding eyelids apart to ensure flushing the entire surface. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.
- First-aid measures after ingestion : Do not induce vomiting. Immediately after ingestion: give lots of water followed by milk to drink. Immediately consult a doctor/medical service. Never give anything by mouth to an unconscious person.

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

- Symptoms/injuries after inhalation : Irritation of the respiratory tract.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes eye irritation.
- Symptoms/injuries after ingestion : May be harmful if swallowed and enters airways. Gastrointestinal complaints. Nausea. Vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry Chemical Foam. Water spray or fog.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard.
- Explosion hazard : No direct explosion hazard.
- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Evacuate area. Fight fire remotely due to the risk of explosion. In case of major fire and large quantities: Evacuate area.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Do not allow run-off from fire fighting to enter drains or water courses. Do not allow the product to be released into the environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use protective clothing. Use only in a well-ventilated area.

6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE).
- 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 : Equip cleanup crew with proper protection.
- Emergency procedures : Evacuate unnecessary personnel. Use appropriate personal protection equipment (PPE). Ventilate area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Collect spillage. Dispose in a safe manner in accordance with local/national regulations.
- Methods for cleaning up : Absorb and/or contain spill with inert material (sand), then place in suitable container. Collect spillage. Flush contaminated areas with plenty of water to remove residues.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Use only in well-ventilated areas. Avoid all eye and skin contact and do not breathe vapour and mist. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Keep away from naked flames/heat. Keep away from sources of ignition - No smoking. Keep container tightly closed. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : 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, direct sunlight. Store in original container. Keep away from oxidants. Do not store near epoxy resins.
- Incompatible products : Oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

8.2. Exposure controls

- Appropriate engineering controls : Ensure all national/local regulations are observed. Provide adequate general and local exhaust ventilation.
- Hand protection : Wear chemically resistant protective gloves.
- Eye protection : Chemical goggles or face shield.
- Skin and body protection : Wear suitable protective clothing. Keep suitable chemically resistant protective clothing readily available for emergency use.
- Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Viscous liquid.
- Colour : Colourless to yellowish.
- Odour : Slight sulfur odor.
- Flash point : > 212 °F
- Specific Gravity : 1.13
- Solubility : Negligible.

9.2. Other information

- VOC : < 5 g/l [Test Method: tested per EPA method 24]
- Hazardous Air Pollutants : 0 % weight [Test Method: Calculated]
- Percent volatile : < 1 % weight [Test Method: Estimated]

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.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces.

10.5. Incompatible materials

Oxidizing agents.

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10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Oxides of Nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

Stick Fast Epoxy 318 - Hardener	
LD50 oral (rat)	> 2000 mg/kg bodyweight

Mercaptan Amine Blend	
LD50 oral (rat)	> 2000 mg/kg bodyweight

SECTION 12: Ecological information

12.1. Toxicity

Acute bacterial toxicity : EC0 > 10 - <= 100 mg product/l.
Aquatic plant/algae toxicity : EC50 > 100mg product/l

12.2. Persistence and degradability

Stick Fast Epoxy 318 - Hardener	
Persistence and degradability	Not readily biodegradable.

Mercaptan Amine Blend	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

Not established.

12.4. Mobility in soil

Not established.

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 in a safe manner in accordance with local/national regulations. Remove waste in accordance with local and/or national regulations. Avoid land filling liquids.
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 by DOT as a dangerous goods
Proper Shipping Name (DOT) : Not regulated
Packing group (DOT) : Not available

Additional information

Other information : No supplementary information available.

ADR

Transport document description : Not regulated.

Transport by sea

Proper Shipping Name (IMDG) : Not regulated.

Air transport

UN-No.(IATA) : UN3334
Proper Shipping Name (IATA) : AVIATION REGULATED LIQUID, N.O.S.
Class (IATA) : 9 - Miscellaneous Dangerous Goods
Packing group : None

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SECTION 15: Regulatory information

15.1. US Federal regulations

Stick Fast Epoxy 318 - Hardener	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	None

Mercaptan Amine Blend	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	None
SARA Section 302 Threshold Planning Quantity (TPQ)	None
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	None

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

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:

-----	Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
-----	Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
-----	Resp. Sens. 1B	Sensitisation — Respiratory, category 1B
-----	Skin Irrit. 2	Skin corrosion/irritation, Category 2
-----	Skin Sens. 1	Sensitisation — Skin, category 1
-----	H302	Harmful if swallowed
-----	H315	Causes skin irritation
-----	H317	May cause an allergic skin reaction
-----	H319	Causes serious eye irritation
-----	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

NFPA health hazard

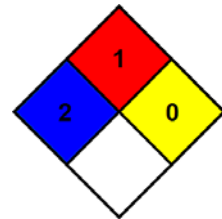
: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

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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