

## SAFETY DATA SHEET

according to 29 CFR 1910.1200(g)

### Stick Fast Epoxy 319 Resin

Revision date: 27.10.2023

Product code:

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## 1. Identification

### Product identifier

Stick Fast Epoxy 319 Resin ; 5 minute epoxy

### Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Adhesives, sealants

#### Uses advised against

any non-intended use.

### Details of the supplier of the safety data sheet

Company name: TMI Products Inc. dba Stick Fast Inc

Place: Peachtree City, GA 30269 USA

Telephone: +1 770-631-7897

Internet: www.stickfast.com

Responsible Department: info@stickfast.com

**Emergency phone number:** +1-888-255-3924 CHEMTEL International 813-248-0585

## 2. Hazard(s) identification

### Classification of the chemical

#### 29 CFR Part 1910.1200

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2A

Respiratory or skin sensitization: Skin Sens. 1

Hazard Statements:

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

### Label elements

#### 29 CFR Part 1910.1200

**Signal word:** Warning**Pictograms:**

### **Hazard statements**

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye irritation

### **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.

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

If on skin: Wash with plenty of water.

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

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container to local/regional/national/international regulations.

### **Hazards not otherwise classified**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

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### 3. Composition/information on ingredients

#### Mixtures

#### Hazardous components

CAS No	Components	Quantity
25068-38-6	Epoxy Resin	60 – 100 %
Reach No:	01-2119456619-26-0000	

### 4. First-aid measures

#### Description of first aid measures

##### General information

In case of accident or un-wellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

##### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

##### After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

##### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

#### Most important symptoms and effects, both acute and delayed

No information available.

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

##### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Atomized water.

##### Unsuitable extinguishing media

High power water jet.

#### Specific hazards arising from the chemical

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

#### Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

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#### Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.  
Clean contaminated objects and areas thoroughly observing environmental regulations.

#### Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

## 7. Handling and storage

#### Precautions for safe handling

##### **Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

##### **Advice on protection against fire and explosion**

Usual measures for fire prevention.

##### **Further information on handling**

General protection and hygiene measures: refer to chapter 8

#### Conditions for safe storage, including any incompatibilities

##### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

##### **Advice on storage compatibility**

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

##### **Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.  
Recommended storage temperature: 20°C  
Protect against: Light. UV-radiation/sunlight. heat. moisture.

## 8. Exposure controls/personal protection

#### Control parameters

#### **Exposure limits**

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
61788-32-7	Hydrogenated terphenyls	0.5	5		TWA (8 h)	REL

#### **Additional advice on limit values**

The following/mentioned above constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### Exposure controls



#### **Appropriate engineering controls**

Provide adequate ventilation.

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#### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). Standards: EN 166 or 29 CFR 1910.133

#### Hand protection

In case of prolonged or frequently repeated skin contact:

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time:  $\geq$  8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time:  $\geq$  8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time:  $\geq$  8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time:  $\geq$  8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time:  $\geq$  8 h

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Suitable protective clothing: Lab apron.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at: exceeding exposure limit values, aerosol or mist generation.

Suitable respiratory protective equipment: Particulate Respirators, Standard: 42 CFR Part 84 or EN 143

Type: R/N/P-95/99/100

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

#### Environmental exposure controls

No special precautionary measures are necessary.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	liquid
Color:	not determined
Odor:	characteristic

### Test method

pH-Value:	not determined
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#### Changes in the physical state

Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

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#### Explosive properties

none

Lower explosion limits:

not determined

Upper explosion limits:

not determined

Ignition temperature:

not determined

#### Auto-ignition temperature

Gas:

not determined

Decomposition temperature:

not determined

#### Oxidizing properties

none

Vapor pressure:

not determined

Density:

not determined

Water solubility:

not determined

#### Solubility in other solvents

not determined

Partition coefficient:

not determined

Viscosity / dynamic:

not determined

Viscosity / kinematic:

not determined

Flow time:

not determined

Vapor density:

not determined

Evaporation rate:

not determined

Solvent separation test:

not determined

Solvent content:

not determined

#### Other information

Solid content:

not determined

### 10. Stability and reactivity

#### Reactivity

No information available.

#### Chemical stability

Stability:

Stable

The product is chemically stable under recommended conditions of storage, use and temperature.

Can polymerise exothermically in the absence of stabilisers, particularly in acid conditions or if shelf life exceeded.

#### Possibility of hazardous reactions

Hazardous reactions:

Will not occur

No information available.

#### Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

#### Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

#### Hazardous decomposition products

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

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## 11. Toxicological information

### Information on toxicological effects

#### Route(s) of Entry

Ingestion: May be harmful. Inhalation: May be harmful. Skin contact: Causes skin irritation. May cause sensitisation by skin contact. Eye contact: Causes eye irritation

#### Toxicocinetics, metabolism and distribution

No data available.

#### Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Components			
	Exposure route	Dose	Species	Source
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane			
	oral	LD50 >5000 mg/kg	Rat (OECD 420)	RTECS
	dermal	LD50 >5000 mg/kg	Rat (OECD 402)	ECHA Dossier

#### Irritation and corrosivity

Causes skin irritation  
Causes serious eye irritation

#### Sensitizing effects

May cause an allergic skin reaction

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

In-vitro mutagenicity:

Method:

- OECD Guideline 472 (Genetic Toxicology: Escherichia coli, Reverse Mutation Assay): negative.

- bacterial reverse mutation assay (e.g. Ames test): positive.

literature information: ECHA dossier

In-vivo mutagenicity:

Method: - ;

Result: negative. ; literature information: ECHA dossier

Carcinogenicity:

Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

species: Rat female. ; Exposure duration: 2 years

Result: NOAEL = 15 mg/kg (reduced body weight), NOAEL = 100 mg/kg (Toxicity)

literature information: ECHA dossier

Reproductive toxicity:

Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study); species: Rat

Results: NOEL = 750 mg/kg; literature information: ECHA Dossier

Developmental toxicity/teratogenicity:

Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); species: Rat

Results: NOAEL = 180 mg/kg; literature information: ECHA Dossier

#### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (STOT) - repeated exposure

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Based on available data, the classification criteria are not met.

Subchronic oral toxicity:

Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Species: Rat ; Exposure duration: 90d

Result: NOAEL = 50 mg/kg; literature information: ECHA Dossier

Carcinogenicity (NTP):	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Carcinogenicity (IARC):	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC.
Carcinogenicity (OSHA):	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Specific effects in experiment on an animal

No data available.

## 12. Ecological information

#### Ecotoxicity

The product has not been tested.

#### Persistence and degradability

The product has not been tested.

#### Bioaccumulative potential

No indication of bioaccumulation potential.

#### Mobility in soil

No data available.

#### Other adverse effects

No data available.

#### Further information

Do not allow to enter into surface water or drains.

## 13. Disposal considerations

#### Waste treatment methods

##### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

##### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

#### US DOT 49 CFR 172.101

##### Proper shipping name:

Not a hazardous material with respect to these transport regulations. && Not controlled under DOT

#### Marine transport (IMDG)

##### UN number:

No dangerous good in sense of this transport regulation.

##### UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

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#### Air transport (ICAO-TI/IATA-DGR)

<b>UN number:</b>	No dangerous good in sense of this transport regulation.
<b>UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>Packing group:</b>	No dangerous good in sense of this transport regulation.

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### Special precautions for user

refer to chapter 6-8

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

not relevant

## 15. Regulatory information

#### U.S. Regulations

Inventory TSCA

#### National regulatory information

SARA Section 311/312 Hazards:

Epoxy Resin (25068-38-6): Immediate (acute) health hazard

MBS Rubber (25053-09-2): Immediate (acute) health hazard

#### State Regulations

##### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

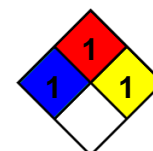
## 16. Other information

#### Hazardous Materials Information Label (HMIS)

Health:	*2
Flammability:	1
Physical Hazard:	1
Personal Protection:	B

#### NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	1
Unique Hazard:	



#### Changes

Revision date:	29.05.2019
Revision No:	1,0
Rev. 1.0; Initial release:	29.05.2019

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route



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CAS Chemical Abstracts Service  
DNEL: Derived No Effect Level  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
International Carriage of Dangerous Goods by Road  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
LOAEL: Lowest observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NOAEL: No observed adverse effect level  
NOAEC: No observed adverse effect level  
NTP: National Toxicology Program  
N/A: not applicable  
OSHA: Concerning the International Transport of Dangerous Goods by Rail)  
PNEC: predicted no effect concentration  
PBT: Persistent bioaccumulative toxic  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
SARA: Superfund Amendments and Reauthorization Act  
SVHC: substance of very high concern  
TRGS Technische Regeln für Gefahrstoffe  
TSCA: Toxic Substances Control Act  
VOC: Volatile Organic Compounds  
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe  
WGK: Wassergefährdungsklasse

#### Other data

Classification according 29 CFR Part 1910.1200 - Classification procedure:  
Health hazards: Calculation method.  
Environmental hazards: Calculation method.  
Physical hazards: On basis of test data. and / or calculated. and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*