

STICK FAST – STABILIZING RESIN

Safety Data Sheet

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

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Version: 1.0

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

1.1. Product identifier

Product name : Stick Fast 350 Stabilizing Resin
Other means of identification : Stabilizing Resin

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

Use of the substance/mixture : Vacuum impregnation wood sealant/stabilizer

1.3. Details of the supplier of the safety data sheet

TMI Products Inc
248 Claridge Curve, Peachtree City, GA 3029
770-631-7897 www.TMIProducts.net

1.4. Emergency telephone number

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317
Carc. 1B H350
STOT SE 3 H335
STOT RE 2 H373

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US)

: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P271 - Use only in a well-ventilated area
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
P337+P313 - If eye irritation persists: Get medical advice/attention
P362 - Take off contaminated clothing
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
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

Hazardous ingredients:

Name	Product identifier	%	GHS-US classification
hydroxypropyl methacrylate	(CAS No) 27813-02-1	50 - 70	Skin Sens. 1, H317 Carc. 1B, H350
triethylene glycol dimethacrylate	(CAS No) 109-16-0	10 - 20	Eye Irrit. 2A, H319 Skin Sens. 1, H317
diethylene glycol dimethacrylate	(CAS No) 2358-84-1	5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335

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Name	Product identifier	%	GHS-US classification
Polyester Oligomer	Proprietary	1 - 5	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
BHT	(CAS No) 128-37-0	0.1 - 0.5	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove the victim into fresh air. If breathing is difficult, remove victim 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. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting. Immediately after ingestion: give lots of water to drink. Get immediate medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam. Dry powder. Carbon dioxide.
- Unsuitable extinguishing media : Do not use water jet to extinguish.

5.2. Special hazards arising from the substance or mixture

- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Advice for firefighters

- Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
- 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ensure adequate ventilation. Evacuate area.

6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE).
- Emergency procedures : Keep suitable chemically resistant protective clothing readily available for emergency use.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Evacuate unnecessary personnel. Stop release. Ventilate area. Use appropriate personal protection equipment (PPE).

6.2. Environmental precautions

Avoid release to the environment.

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. Place spent adsorbent in sealed packages and contact specialist waste disposal contractor. Dispose in accordance with local regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist. Use only in a well-ventilated area. Use personal protective equipment as required.
- Hygiene measures : Do not eat, drink or smoke in areas where product is used. 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

- Storage conditions : Keep container tightly closed. Keep container closed when not in use. Store in a cool, dry, well ventilated place away from direct sunlight or other sources of UV light. Storage temperatures should be maintained below 27°C (80°F).

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Incompatible products : Oxidizing agent. Strong acids. Strong bases.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

butylated hydroxytoluene (128-37-0)		
USA ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³

8.2. Exposure controls

Appropriate engineering controls : Ensure all national/local regulations are observed. Provide adequate general and local exhaust ventilation.

Personal protective equipment : Protective clothing. Protective goggles. Gloves. Self-contained breathing apparatus.

Materials for protective clothing : Wear fire/flame resistant/retardant clothing.

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Protective clothing.

Respiratory protection : Avoid breathing dust, mist or spray. Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Liquid.

Colour : Amber.

Odour : Mild organic odour.

Relative evaporation rate (ether=1) : Low

Boiling point : > 300 °F

Flash point : > 212 °F

Flammability (solid, gas) : Non flammable

Vapour pressure : < 5 mm Hg

Specific gravity at 20 °C : 1.05

Solubility in water : Negligible.

Solubility in solvents : Miscible in organic solvents, e.g. acetone

Explosive properties : Not applicable.

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

Direct sunlight or other sources of UV light. High temperature. Sources of ignition, low oxygen environments. Hazardous exothermic polymerization can occur if exposed to elevated temperatures for period of time. Air space/ oxygen above the product is vital to keep formulatory inhibitors active

10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases. Do not allow to contact or store in aluminum, mild steel, rusty steel, copper (or alloys of) or tin vessels.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Irritating fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

hydroxypropyl methacrylate (27813-02-1)	
LD50 oral rat	> 5000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; >=2000 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	>= 5000 mg/kg bodyweight (Rabbit; Experimental value)

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triethylene glycol dimethacrylate (109-16-0)	
LD50 oral rat	10837 mg/kg (Rat)
butylated hydroxytoluene (128-37-0)	
LD50 oral rat	890 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; >6000 mg/kg bodyweight; Rat)
LD50 dermal rat	> 2000 mg/kg (Rat; Literature study; OECD 402: Acute Dermal Toxicity; >2000 mg/kg bodyweight; Rat; Experimental value)
diethylene glycol dimethacrylate (2358-84-1)	
LD50 oral rat	8500 mg/kg (Rat)
hydroxypropyl methacrylate (27813-02-1)	
National Toxicity Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen
butylated hydroxytoluene (128-37-0)	
IARC group	3 - Not classifiable
Polyester Oligomer	
LOAEL (oral, rat)	Not applicable
LOAEL (dermal, rat/rabbit)	Not applicable
NOAEL (oral, rat)	Not applicable
Polyester Oligomer	
LOAEL (oral, rat, 90 days)	Not applicable
LOAEL (dermal, rat/rabbit, 90 days)	Not applicable

SECTION 12: Ecological information

12.1. Toxicity

hydroxypropyl methacrylate (27813-02-1)	
LC50 fishes 1	493 mg/l (48 h; Leuciscus idus; GLP)
EC50 Daphnia 1	> 143 mg/l (48 h; Daphnia magna; GLP)
Threshold limit algae 1	> 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)
Threshold limit algae 2	> 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)
butylated hydroxytoluene (128-37-0)	
LC50 fishes 1	0.199 mg/l (96 h; Pisces)
EC50 Daphnia 1	0.48 mg/l (48 h; Daphnia magna; GLP)
LC50 fish 2	5.3 mg/l (48 h; Oryzias latipes)
Threshold limit algae 1	> 0.4 mg/l (72 h; Scenedesmus subspicatus; GLP)
Threshold limit algae 2	0.363 mg/l (Algae; Chronic)

12.2. Persistence and degradability

Stick Fast Stabilizing Resin	
Persistence and degradability	No data available.
hydroxypropyl methacrylate (27813-02-1)	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available.
triethylene glycol dimethacrylate (109-16-0)	
Persistence and degradability	Biodegradability in water: no data available. Forming sediments in water.
butylated hydroxytoluene (128-37-0)	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil. Adsorbs into the soil. Low potential for mobility in soil. Photooxidation in the air.
Biochemical oxygen demand (BOD)	0.51 g O ₂ /g substance
Chemical oxygen demand (COD)	2.27 g O ₂ /g substance
ThOD	2.977 g O ₂ /g substance
BOD (% of ThOD)	0.17 % ThOD
diethylene glycol dimethacrylate (2358-84-1)	
Persistence and degradability	Biodegradability in soil: no data available.

12.3. Bioaccumulative potential

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Bioaccumulative potential	No bioaccumulation data available.
hydroxypropyl methacrylate (27813-02-1)	
BCF fish 1	<= 100 (Pisces)
BCF fish 2	3.2 (Pisces; QSAR)
Log Pow	0.97 (OECD 102: Melting Point/Melting Range)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
triethylene glycol dimethacrylate (109-16-0)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
butylated hydroxytoluene (128-37-0)	
BCF fish 1	230 - 2500 (56 days; Cyprinus carpio)
Log Pow	5.1 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
diethylene glycol dimethacrylate (2358-84-1)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

butylated hydroxytoluene (128-37-0)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

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	: Product residues can be cleaned out of containers. Dispose in a safe manner in accordance with local/national regulations. Alternatively, product can be polymerized using AC344 activator and heated to 90°C (care should be taken if polymerizing a large quantity of product due to exothermic reaction). Hardened product can be disposed of as chemical waste by incineration or licensed contractors. Clean containers can be disposed of by landfill or by incineration or possibly recycled.

SECTION 14: Transport information

In accordance with DOT	
Transport document description	: N/A
UN-No.(DOT)	: None
DOT NA no.	: N/A
Proper Shipping Name (DOT)	: Unrestricted

Additional information

Other information	: Not hazardous for transport.
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ADR

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

Stick Fast Stabilizing Resin	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
hydroxypropyl methacrylate (27813-02-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
triethylene glycol dimethacrylate (109-16-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

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butylated hydroxytoluene (128-37-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Polyester Oligomer

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

diethylene glycol dimethacrylate (2358-84-1)

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

Carc. 1B H350

STOT SE 3 H335

STOT RE 2 H373

15.2.2. National regulations

No additional information available

15.3. US State regulations

butylated hydroxytoluene (128-37-0)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H350	May cause cancer
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

HMIS III Rating

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

Flammability : 1 Slight Hazard

Physical : 1 Slight Hazard

SDS US (GHS HazCom 2012)

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