

Super Stick Additive SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: Super Stick Additive

Recommended use: Floor Surfacing

Manufacturer Name: Dur-A-Flex, Inc.
95 Goodwin Street
East Hartford, CT 06108

Telephone number: 860-528-9838

Emergency phone number: 1-800- 424-9300 (CHEMTREC)

Date of Preparation: November 6, 2014

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not Hazardous	Eye Damage 1

Labeling:

Danger!



Hazard statement(s)

Causes serious eye damage.

Precautionary statement(s)

Wash thoroughly after handling.
Wear eye protection and face protection.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor.

3. COMPOSITION / INFORMATION ON INGREDIENTS
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Chemical name	CAS No.	Concentration
Glycidoxypropyltrimethoxysilane	2530-83-8	90-100%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If irritation develops, medical attention.

Skin contact: Wash skin with soap and water. Get medical attention if irritation persists. Remove contaminated clothing and launder before re-use.

Eye contact: Immediately flush eyes with water for 20 minutes, holding the eyelids apart. Get immediate medical attention.

Ingestion: If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: Causes severe eye irritation or burns. Permanent damage may occur. May cause skin irritation. Inhalation of vapors may cause upper respiratory tract irritation, sore throat and coughing. Ingestion may cause gastrointestinal irritation and nausea. May produce methanol if exposed to moisture or humid air. Overexposure to methanol may cause nausea, abdominal pain, vomiting, headache, dizziness, shortness of breath, weakness, fatigue, leg cramps, restlessness, confusion, drunken behavior, visual disturbances, drowsiness, coma, and death. May cause permanent blindness.

Indication of immediate medical attention and special treatment, if necessary: If eye contact or ingestion occurs, get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

Specific hazards arising from the chemical: Reacts with moisture or humid air to form methanol. Combustion may produce carbon oxides, silicon dioxide and formaldehyde.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing as described in Section 8.

Environmental precautions: Avoid release into the environment. Report releases as required by local, state and federal authorities.

Methods and materials for containment and cleaning up: Contain and collect with an inert absorbent. Place into an appropriate container for disposal. Slip hazard. Wash spill site with soap and water.

7. HANDLING AND STORAGE

Precautions for safe handling: Prevent contact with eyes. Avoid contact with skin and clothing. Do not breathe vapors. Do not taste or swallow. Do not mix with water. Wash thoroughly after handling and before eating, drinking, smoking or using the toilet. Use only with adequate ventilation.

When exposed to moisture or humid air, this product will produce flammable methanol. Overexposure to methanol may cause headache, dizziness, drowsiness, nausea, giddiness, intoxication, blurred vision and blindness.

Conditions for safe storage, including any incompatibilities: Store in a dry place. Store in original containers. Keep container closed when not in use. Protect from physical damage. Store away from oxidizing agents and other incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Glycidoxypropyltrimethoxysilane	5 ppm TWA, 10 ppm STEL Manufacturer
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Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits.

Personal Protective Equipment:

Respiratory protection: If the exposures are excessive, a NIOSH approved respirator with an organic vapor filter or supplied air respirator is recommended. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin protection: Wear impervious gloves such as Silvershield™ or 4H™.

Eye protection: Chemical safety goggles should be worn to prevent contact.

Other: Impervious clothing should be worn if contact is possible. An eye wash should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Colorless or pale yellow liquid

Odor: Aromatic odor

Odor threshold: Not available	pH: Not available
Melting Point/Freezing Point: Not available	Boiling Point: >482°F / >250°C
Flash point: 251.6°F / 122°C	Evaporation rate: Not available
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not available	UEL: Not available
Vapor pressure: Not available	Vapor density: Not available
Relative density: 1.07	Solubility(is): Not available
Partition coefficient: n-Octanol/water: Not applicable	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: 3 cSt @25°C

10. STABILITY AND REACTIVITY

Reactivity: Reacts with moisture to produce methanol.

Chemical stability: Stable

Possibility of hazardous reactions: May react in contact with moisture to produce methanol.

Conditions to avoid: Avoid moisture and humidity.

Incompatible materials: Avoid contact with oxidizing agents, alkaline earth metals and acid.

Hazardous decomposition products: Thermal decomposition may produce carbon oxides, silicon dioxide and formaldehyde.

11. TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of vapors or mists may cause irritation of the nose and throat, coughing and sneezing.

Ingestion: Swallowing may cause gastrointestinal irritation and nausea.

Skin contact: May cause mild irritation with redness.

Eye contact: May cause severe irritation with redness, tearing and pain. Permanent damage may occur.

Chronic effects from short- and long-term exposure: In a repeat dose, rat were administer glycidoxypropyltrimethoxysilane at 40, 400 and 1000 mg/kg by gavage for 4 weeks. No test substance-related organ effects were seen. NOAEL was 1000 mg/kg.

Reproductive Toxicity: In a one-generation reproduction toxicity study in rats, glycidoxypropyltrimethoxysilane showed no reproductive effects. NOAEL 1000 mg/kg. In a developmental study, the NOAELs for both maternal and developmental toxicity were also at the highest dose tested (1000 mg/kg).

Sensitization: Glycidoxypropyltrimethoxysilane was negative in a Buehler test with guinea pigs.

Mutagenicity: Glycidoxypropyltrimethoxysilane was negative ion the AMES test but positive in an in vitro mammalian gene cell mutation assay with and without activation. There is no in vivo gene mutation data.

Carcinogenicity: None of the components are listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Glycidoxypropyltrimethoxysilane: Oral rat LD50 8025 mg/kg, Inhalation rat LC50 >5.3 mg/L, Dermal rabbit LD50 4250 mg/kg.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Glycidoxypropyltrimethoxysilane: 96 hr LC50 Cyprinus carpio 55 mg/L, 48 hr EC50 Simocephalus vetulus 324 mg/L, 7 day EC50 Anabaena flos-aquae 119 mg/L.

Persistence and degradability: Glycidoxypropyltrimethoxysilane is not readily biodegradable.

Bioaccumulative potential: Glycidoxypropyltrimethoxysilane is not expected to bioaccumulate.

Mobility in soil: No data available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard

DOT	None	Not Regulated	None	None	None
TDG	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA	None	Not Regulated	None	None	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health

SARA 313 Information: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer or reproductive toxicity (birth defects):

Methanol	67-56-1	<0.1	developmental
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EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

CANADA:

Canadian WHMIS Classification: Class D Division 2 Subdivision B (Toxic material causing other chronic effects)

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

16. OTHER INFORMATION

NFPA Rating: Health = 3 Flammability = 1 Instability = 0
HMIS Rating: Health = 3 Flammability = 1 Physical Hazard = 0

SDS Revision History: Converted to GHS format. All sections revised.

Date of preparation: November 6, 2014

Date of last revision: New SDS

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, Dur-A-Flex, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND USE.