



# Tuff-Stuff® MS

## Safety Data Sheet

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

Revision Date: N/A

Date of Issue: 06/01/2015

Version: 1.0

### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Form:** Mixture

**Product Name:** Tuff-Stuff MS

**Product Code:** 2130

#### Intended Use of the Product

Moisture-curing, single-component, non-sag, adhesive sealant that contains no solvents. For professional use only.

#### Name, Address, and Telephone of the Responsible Party

##### Manufacturer

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633  
www.garlandco.com

##### Supplier

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633

The Garland Company, Inc.  
209 Carrier Drive  
Toronto, Ontario M9W 5Y8  
T-416-747-7995 800-387-5991  
F-416-747-1980

#### Emergency Telephone Number

**Emergency Number:** 1-800-262-8200 (CHEMTREC)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### Classification (GHS-US)

Skin Irrit. 2 H227  
Eye Irrit. 2 H315  
Skin Sens. 1 H317  
Resp. Sens. 1 H318

#### Label Elements

##### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



##### Signal Word (GHS-US)

: Warning

##### Hazard Statements (GHS-US)

: H227 – Combustible liquid.  
H315 – Causes skin irritation  
H317 – May cause an allergic skin reaction.  
H318 – Causes serious eye damage.

##### Precautionary Statements (GHS-US)

: P210 – Keep away from heat/sparks/open flames/hot surfaces – no smoking.  
P261 – Avoid breathing dust/fume/gas/mist/vapors/sprays.  
P264 – Wash skin thoroughly after handling.  
P272 – Contaminated work clothing should not be allowed out of the workplace.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection.

#### Unknown Acute Toxicity (GHS-US)

No data available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Calcium Carbonate	(CAS No) 1317-65-3	40-60	
Titanium Dioxide	(CAS No) 13463-67-7	4-10	Skin Irrit. 2, H315
Amino Silane	(CAS No) 1760-24-3	1-5	Flam. Liq. 4, H227 Skin irrit. 2, H315 Skin sens. 1, H317 Eye dam. 1, H318
Proprietary Polymers	Trade Secret	15-30	

Full text of H-Phrases: See Section 16

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### SECTION 4: FIRST AID MEASURES

#### Description of First Aid Measures

**First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

**First-aid Measures After Inhalation:** Move to fresh air.

**First-aid Measures After Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

**First-aid Measures After Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**First-aid Measures After Ingestion:** Consult a physician.

#### Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing Media

**Suitable Extinguishing Media:** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder. Water. Dry chemical.

**Unsuitable Extinguishing Media:** Not available

#### Special Hazards Arising From the Substance or Mixture

No information available.

#### Advice for Firefighters

**Firefighting Instructions:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### Reference to Other Sections

Refer to section 9 for flammability properties.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid contact with the skin and the eyes.

#### For Non-emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Responders

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

#### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Remove all sources of ignition.

#### Methods and Material for Containment and Cleaning Up

**For Containment:** Contain with inert absorbent material.

**Methods for Cleaning Up:** Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

#### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

### SECTION 7: HANDLING AND STORAGE

#### Precautions for Safe Handling

**Precautions for Safe Handling:** Wear personal protective equipment. Avoid contact with skin and eyes.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

#### Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Keep in a dry place. Keep out of the reach of children.

#### Specific End Use(s)

Moisture-curing, single-component, non-sag, adhesive sealant that contains no solvents.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

Titanium Dioxide (13463-67-7)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
USA IDLH	US IDLH (mg/m <sup>3</sup> )	5000 mg/m <sup>3</sup>

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Mexico	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Mexico	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Ontario	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

Calcium Carbonate (1317-65-3)		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Mexico	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Mexico	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>

### Exposure Controls

**Appropriate Engineering Controls:** No information available.

**Personal Protective Equipment:** Safety glasses with side-shields. Impervious gloves. No special protective equipment required.



**Hand Protection:** Protective gloves.

**Eye Protection:** Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**Skin and Body Protection:** Protective gloves should be worn for prolonged or repeated contact. Protective cream may be useful when repeated skin contact is expected.

**Respiratory Protection:** Maintain adequate ventilation. A respirator is not normally required. In case of insufficient ventilation, wear a positive-pressure supplied-air respirator.

**Other Information:** When using, do not eat, drink, or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Paste
Appearance	: Various
Odor	: Slight
Odor Threshold	: Not available
pH	: Not available
Relative Evaporation Rate (butyl acetate = 1)	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 68°F (20°C)	: > 1 (air = 1)
Relative Density	: 11.00 lb/gal
Specific Gravity	: 1.66
Solubility	: Not available
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available
Volatile Organic Compounds	: 20 g/L

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Stable.

**Chemical Stability:** Stable under ordinary conditions of use and storage.

**Possibility of Hazardous Reactions:** None under normal processing.

**Conditions to Avoid:** None Known.

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**Incompatible Materials:** No materials to be especially mentioned.

**Hazardous Decomposition Products:** None under normal use.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects – Ingredient(s)

#### LD50 and LC50 Data

Calcium Carbonate (1317-65-3)	
IARC Group	None

Titanium Dioxide (13463-67-7)	
IARC Group	2B
National Toxicity Program (NTP) Status	Reasonable Anticipated to Be a Human Carcinogen
The IARC classification was based on high concentrations of titanium dioxide particles in animal lungs.	

Amino Silane (1760-24-3)	
LD50, rat	> 2,000 mg/kg
LD50, Dermal Rabbit	> 2,000 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity – Ingredients

### Persistence and Degradability

Not established.

### Bioaccumulative Potential – Product

Not established.

### Mobility in Soil

No additional information available.

### Other Adverse Effects

**Other Information:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of in accordance with local, state, and federal regulations.

**Contaminated Packaging:** Empty containers should be taken for local recycling, recovery or waste disposal

**Additional Information:** Prevent runoff from entering drains, sewers, or waterways.

## SECTION 14: TRANSPORT INFORMATION

### In Accordance with DOT

Special Provisions : Not regulated

Proper Shipping Name :

Hazard Class :

Identification Number :

### In Accordance with IMDG

Proper Shipping Name : Not regulated

Hazard Class :

Identification Number :

Packing Group :

### In Accordance with IATA

Proper Shipping Name : Not regulated

Hazard Class :

Identification Number :

Packing Group :

### In Accordance with TDG

Special Provisions : Not regulated

Proper Shipping Name :

Hazard Class :

Identification Number :

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Packing Group :

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

#### Calcium Carbonate (1317-65-3)

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

#### Titanium Dioxide (13463-67-7)

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

#### Amino Silane (1760-24-3)

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

SARA 311/312

Immediate/acute health hazard

### US State Regulations

#### Titanium Dioxide (13463-67-7)

U.S. – California – Proposition 65 – Carcinogens List

WARNING: This product contains chemicals known to the state of California to cause cancer.

### Canadian Regulations

Tuff-Stuff MS



WHMIS Classification

D2B

#### Calcium Carbonate (1317-65-3)

Listed on the Canadian DSL (Domestic Substances List) Inventory

#### Titanium Dioxide (13463-67-7)

Listed on the Canadian DSL (Domestic Substances List) Inventory

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 07/28/2015

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

### Party Responsible for the Preparation of This Document

The Garland Company, Inc.

3800 East 91<sup>st</sup> Street

Cleveland, Ohio 44105-2197

T-800-762-8225

*This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety, and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.*

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