



Tuff-Stuff® MS

Safety Data Sheet

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

Revision Date: 06/01/2015

Date of Issue: 05/06/2018

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 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633
www.garlandco.com

Supplier

The Garland Company, Inc.
3800 East 91st 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

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Tuff-Stuff® MS

Safety Data Sheet

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

Revision Date: 06/01/2015

Date of issue: 05/06/2018

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 (CO₂). 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 ³)	10 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³
USA IDLH	US IDLH (mg/m ³)	5000 mg/m ³

Calcium Carbonate (1317-65-3)		
USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³

Tuff-Stuff® MS

Safety Data Sheet

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

Revision Date: 06/01/2015

Date of issue: 05/06/2018

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
Relative Vapor Density at 68°F (20°C)	: > 1 (air = 1)
Relative Density	: 11.00 lb/gal
Specific Gravity	: 1.66
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.

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.

Tuff-Stuff® MS

Safety Data Sheet

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

Revision Date: 06/01/2015

Date of issue: 05/06/2018

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

In Accordance with IMDG

Proper Shipping Name : Not regulated

In Accordance with IATA

Proper Shipping Name : Not regulated

In Accordance with TDG

Special Provisions : Not regulated

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 91st 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.