

# GRANITE BOSS SAFETY DATA SHEET

## Section 1. Product and Company Identification

Product Name: GRANITE BOSS  
 Company: Stella Sealants Corporation  
 Address: 6915 15th street east, ste 201  
 Sarasota, FL 34243, USA  
 Website: www.stellasealants.com  
 Email: info@stellasealants.com  
 Telephone: +1(941)357-1566  
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 24 Hour Emergency Number (844)200-1672

## Section 2. Hazards Identification

### Classification of the substance or mixture

#### Classification (GHS):

Class	Category	Route of exposure
Specific target organ toxicity (single exposure)	Category 2	
Flammable liquids	Category 3	

#### Label elements

##### GHS Label:

##### Pictogram(s):



Signal Word: Warning

H-Code	Hazard Statements
H226	Flammable liquid and vapor.
H371	May cause damage to organs.
P-Code	Precautionary Statements
P280	Wear protective gloves/protective clothing/eye protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P370+P378	In case of fire: Use extinguishing powder, alcohol-resistant foam or carbon dioxide to extinguish.
P403+P235	Store in a well-ventilated place.
	Keep cool.
P501	Dispose of contents/container to waste disposal.

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### Other hazards:

Inhalation of aerosol spray may damage health.  
Product hydrolyses under formation of methanol (CAS no. 67-56-1).  
Methanol is toxic by inhalation, in contact with skin and if swallowed.  
Methanol causes damage to organs.  
Methanol is highly flammable.

### Section 3. Composition/information on ingredients

#### Chemical characterization

Chemical characteristics

alkylsilicone resin with alkoxy groups + filler + auxiliary

Information on ingredients:

Type	CAS No.	Substance	Content [wt. %]	
			Lower	Upper
INHA	3648-18-8	Dioctyltin dilaurate	>1%	<3.0%
INHA	64-17-5	Ethyl alcohol	>45%	<55%
INHA	67-56-1	Methanol	>40%	<55%
INHA	108-10-1	Methyl isobutyl ketone	>0.5%	<6.5%

Type: HYD - by-product upon hydrolysis, INHA - ingredient, NEBE - by-product, MONO - residual monomer, VERU - impurity, VUL - by-product upon vulcanization.

Note: C1 - IARC carcinogen, C2 - NTP carcinogen, C3 - OSHA carcinogen, NH – non-hazardous, R - reproductive toxin.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for noncarcinogenic HAPS or they are inextricably bound in the product. Specific chemical identities and/or exact percentage (concentration) of the composition may have been withheld as a trade secret.

### Section 4. First Aid Measures

#### General information

Get medical attention if irritation occurs or if breathing becomes difficult.

Remove contaminated clothing and shoes.

Show label.

#### After inhalation

If inhaled, remove to fresh air, keep the victim laying down and restful.

If not breathing, give artificial respiration.

If breathing is difficult, give oxygen.

#### After contact with the skin

If contact with skin, immediately flush skin with plenty of water or with water and soap.

Clean contaminated clothing and shoes before reuse.

#### After contact with the eyes

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

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**After swallowing**

If conscious, give several small portions of water to drink.  
Get medical attention immediately.  
Designate the product.

**Advice for the physician**

Indicate the possible formation of methanol.  
Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes.  
Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma.  
There may be a delay in the onset of these effects after exposure.

## Section 5. Firefighting Measures

**Flammable properties:**

Flammability Classification: OSHA Class IB Autoignition Pt: No data. Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined area. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

Property:	Value:	Method:
Flash point	45 °F (7.2 °C)	SCC
Sustained combustibility	> 110 °C (> 230 °F)	(ISO 9038)
Boiling point / boiling range	> 190 °C (> 374 °F) at 1013 hPa	
Lower explosion limit (LEL)	1.00	
Upper explosion limit (UEL)	not determined	
Ignition temperature	> 280 °C (> 536 °F)	(DIN 51794)
NFPA Hazard Class (comb./flam.liquid)	II	

**Fire and explosion hazards:**

This material will flash but does not sustain combustion. As a result of hydrolysis flammable vapors may accumulate in the container head space. Consider possible formation of explosive mixtures with air, for example in uncleaned containers by moisture. Explosion limits for hydrolysis product: 5.5-44% v/v (methanol)

**Recommended extinguishing media:**

water-mist , carbon dioxide , sand , dry chemical or alcohol-resistant foam Do not use: water-spray , sharp water jet.

**Unsuitable extinguishing media:** none known

**Special exposure hazards** arising from the substance or preparation itself, combustion products, resulting gases  
Hazardous decomposition products: carbon dioxide, carbon monoxide , formaldehyde , silicon dioxide and incompletely burnt hydrocarbons.

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### Firefighting procedures:

Cool endangered containers with water. Fire fighters should wear full protective clothing including a positive pressure self-contained breathing apparatus.

### Section 6. Accidental Release Measures

<b>Precautions:</b>	Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk through spilled material. HAZWOPER PPE Level: D
<b>Containment:</b>	Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground. Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.
<b>Methods for cleaning up</b>	Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps. If flammable, only air driven or properly rated electrical equipment should be used. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction.
<b>Further information:</b>	Exhaust vapours. Eliminate all sources of ignition. Consider explosion protection. Observe notes under section 7.

### Section 7. Handling and Storage

#### Handling:

Precautions for safe handling:

Ensure adequate ventilation. Must be syphoned off in situ. Spilled substance increases risk of slipping. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection).

Observe information in section 8. Keep away from incompatible substances in accordance with section 10.

Precautions against fire and explosion:

Product can separate methanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away

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from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

**Storage:**

Conditions for storage rooms and vessels: Observe local/state/federal regulations.  
Advice for storage of incompatible materials: Observe local/state/federal regulations.  
Further information for storage: Store in a dry and cool place. Protect against moisture.

## Section 8. Exposure Control/Personal Protection

**Engineering controls**

Ventilation:

Use only with adequate ventilation.

Local exhaust: yes

Associate substances with specific control parameters such as limit values

Maximum airborne concentrations at the workplace:

CAS No.	Material	Type	mg/m	Ppm	Dust fract.
67-56-1	Methanol	OSHA PEL	260.0	200.0	
67-56-1	Methanol	ACGIH TWA		200.0	

Re Methanol (CAS-no. 67-56-1): STEL is 250 ppm, skin notation (ACGIH); STEL is 250 ppm, skin notation (NIOSH).

Personal protection equipment (PPE)

Respiratory protection:

In case of long or strong exposure use a NIOSH approved respirator for: organic vapors .

Alternatively use a positive pressure, air-supplied respirator (regard TLV).

Hand protection:

Butyl rubber protective gloves

Eye protection:

Tight fitting chemical safety goggles

Other protective clothing or equipment:

Protective clothing to cover exposed areas of arms, legs and torso.

Provide emergency shower and eye-bath.

General hygiene and protection measures:

Do not breathe dust/vapor/mist/gas/aerosol. Avoid contact with eyes and skin.

Do not eat, drink or smoke when handling. Wash thoroughly after handling.



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## Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment:

For similar products no indications for a specific hazard due to aerosol inhalation were identified in animal tests. However, inhalation of respirable aerosol should be avoided.

Product details:

Route of exposure	Result/Effect	Species/Test system	Source
by inhalation (spray)	LC50: > 240 ml/h; 4 h No mortality at room temperature in highly enriched or saturated atmosphere.	Rat	Conclusion by analogy

Acute toxicity estimate (ATE):	ATEmix (oral): > 2000 mg/kg
Skin corrosion/irritation	Assessment: For this endpoint no toxicological test data is available for the whole product.
Serious eye damage / eye irritation	Assessment: For this endpoint no toxicological test data is available for the whole product.
Respiratory or skin sensitization	Assessment: For this endpoint no toxicological test data is available for the whole product.
Germ cell mutagenicity	Assessment: For this endpoint no toxicological test data is available for the whole product.
Carcinogenicity	Assessment: For this endpoint no toxicological test data is available for the whole product.
Reproductive toxicity	Assessment: For this endpoint no toxicological test data is available for the whole product.
Specific target organ toxicity (single exposure)	Assessment: For this endpoint no toxicological test data is available for the whole product.
Specific target organ toxicity (repeated exposure)	Assessment: For this endpoint no toxicological test data is available for the whole product.
Aspiration hazard	Assessment: For this endpoint no toxicological test data is available for the whole product.

### Further toxicological information

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.

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.

Other information: Hydrolysis product / impurity: Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes.

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Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

### Section 12. Ecological Information

Toxicity Assessment:

For the product as a whole, no test data is available.

Persistence and degradability Assessment:

Contact with water liberates methanol and silanol- and/or siloxanol-compounds.

Silicone content: biologically not degradable.

Elimination by adsorption to activated sludge.

The product of hydrolysis (methanol) is readily biodegradable. 12.3

Bioaccumulative potential Assessment: Bioaccumulation is not expected to occur.

Mobility in soil Assessment:

Silicone content: Absorbed by floating particles. Separation by sedimentation.

Other adverse effects none known.

### Section 13. Disposal Considerations

RCRA Waste Classification:

D001 (Ignitable)

This classification applies only to the material as it was originally produced.

#### Product disposal

Recommendation:

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

#### Packaging disposal

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used.

Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

### Section 14. Transport Information

US DOT & CANADA TDG SURFACE

Valuation

Not regulated for transport

Other Information

This material has been tested and does not sustain combustion.

No DOT flammable liquid class 3 diamond label required!

Transport by sea IMDG-Code

Valuation

Not regulated for transport



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**Comment** Not regulated in Class 3 - IMDG 2.3.1.3 - as the substance does not sustain combustion!

**Air transport ICAO-TI/IATA-DGR Valuation** Not regulated for transport

**Comment** Not regulated in Class 3 - IATA 3.3.1.3 / ICAO 3.1.3 - Substance does not sustain combustion!

## Section 15. Regulatory Information

U.S. Federal regulations

TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:

This material does not contain reportable amounts of any TSCA 12(b) listed chemicals.

CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class: Fire hazard.

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):

CAS No.	Chemical	Upper limit wt. %
67-56-1	Methanol	0.3452

U.S. State regulations

California Proposition 65 Carcinogens:

This material does not contain any chemicals known to the State of California to cause cancer.

California Proposition 65 Reproductive Toxins:

67-56-1 Methanol

Massachusetts Substance List:

This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List: This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.

Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

South Korea (Republic of Korea): ECL (Existing Chemicals List):

This product is listed in, or complies with, the substance inventory.

Australia: AICS (Australian Inventory of Chemical Substances):

This product is listed in, or complies with, the substance inventory.

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People's Republic of China: IECSC (Inventory of Existing Chemical Substances in China):

This product is listed in, or complies with, the substance inventory.

Canada: DSL (Domestic Substance List):

This product is listed in, or complies with, the substance inventory.

Philippines: PICCS (Philippine Inventory of Chemicals and Chemical Substances):

This product is listed in, or complies with, the substance inventory.

United States of America (USA): TSCA (Toxic Substance Control Act Chemical Substance Inventory):

This product is listed in, or complies with, the substance inventory.

Taiwan (Republic of China): TCSI (Taiwan Chemical Substance Inventory):

This product is listed in, or complies with, the substance inventory. General note: Taiwan REACH requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.

European Economic Area (EEA): REACH (Regulation (EC) No 1907/2006):

General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

### Section 16. Other Information

#### Additional information:

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200).

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.

Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled.

However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness.

It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

We do not accept liability for any loss or damage that may occur from the use of this information.

Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents.

This SDS provides selected regulatory information on this product, including its components.

This is not intended to include all regulations.

It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

#### Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists      ppm - Parts per Million

SARA - Superfund Amendments and Reauthorization Act

DOT - Department of Transportation      STEL - Short Term Exposure Limit

hPa - Hectopascals      TSCA - Toxic Substances Control Act

mPa\*s - Milli Pascal-Seconds      TWA - Time Weighted Average



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OSHA - Occupational Safety and Health Administration	WHMIS - Canadian Workplace Hazardous Materials
PEL - Permissible Exposure Limit	Identification System
Flash point determination methods	Common name
ASTM D56	Tagliabue (Tag) closed cup
ASTM D92, DIN 51376, ISO 2592	Cleveland open cup
ASTM D93, DIN 51758, ISO 2719	Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679	Setaflash or Rapid closed cup DIN 51755

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