



## SAFETY DATA SHEET

Sand Force

### Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sand Force

Other means of identification : N/A

Recommended use : Viscosifier

Restrictions on use : None known

Company : Right Turn Supply LLC  
P.O. Box 132016  
Spring, TX 77393

Emergency telephone number : (800) 424-9300 (24 Hours) CHEMTREC

Issuing date : 08/01/2018

### Section: 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Not classified

Skin irritation : Not classified

Eye irritation : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity - single exposure : Not classified

Aspiration hazard : Not classified

#### GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air.

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Precautionary Statements : **Prevention:**  
P201 – Obtain special instructions before use.  
P264 – Wash face, hands and any exposed skin thoroughly after handling.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**  
P308 + P313 – If exposed or concerned: Get medical advice/attention.  
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313 – If skin irritation occurs: Get medical advice/attention.  
P363 – Wash contaminated clothing before reuse.  
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 attention/advice.

**Storage:**  
P403 + P235: Store in a well-ventilated place. Keep cool  
P404 – Store in a closed container  
P405 – Store locked up.

**Disposal:**  
P501 – Dispose of contents/container in accordance with local/regional/national regulations.

**Other hazards** : None Known

### Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances	CAS Number	Percent	GHS Classification – US
Xanthan Gum	11138-66-22	60 – 100%	Expl. Dust (Combustible Dust)

The exact percentage (concentration) of the composition has been withheld as proprietary

### Section: 4. FIRST AID MEASURES

In case of eye contact : Flush eyes with water for at least 15 minutes, holding eyelids open. Remove Any contact lenses. If irritation persists, seek medical attention.

In case of skin contact : Wash with soap and water. Get medical attention if irritation persists.

If swallowed : Under normal conditions, first aid procedures are not required.

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If inhaled	:	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Protection of first-aiders	:	Move to fresh air. Call a physician if symptoms develop or persist.
Notes to physician	:	Treat symptomatically.
Most important symptoms and effects, both acute and delayed	:	No significant hazards expected.

#### Section: 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water, fog, carbon dioxide, foam, dry chemical.
Unsuitable extinguishing media	:	None known
Specific hazards during firefighting	:	Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.
Hazardous combustion products	:	Decomposition in fire may produce toxic gases. Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential
Special protective equipment for firefighters	:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Specific extinguishing methods	:	Use standard firefighting procedures and consider the hazards of other involved materials.

#### Section: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid contact with skin, eyes and clothing. Ventilate area. Avoid creating and breathing dust. Wear appropriate personal protective equipment.
Environmental precautions	:	Prevent from entering sewers, waterways or low areas.
Methods and materials for containment and cleaning up	:	Collect using dustless method and hold for appropriate disposal. Consider possible toxic or fire hazards associated with contaminating substances and use appropriate methods for collection, storage and disposal. In the event of spill or accidental release, notify relevant authorities in accordance with all applicable regulations. For waste disposal, see section 13 of the SDS.

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### Section: 7. HANDLING AND STORAGE

- Advice on safe handling : Wear personal protective equipment. Avoid contact with eyes, skin or clothing. Wash hands after use. Do not eat, drink or smoke in work area. Wash contaminated clothing before reuse. Wear a NIOSH-approved, European Standard En 149, or equivalent when using this product. Material slippery when wet. Avoid creating or inhaling dust.
- Conditions for safe storage : Store in a cool dry place. Keep away from oxidizers. Protect from physical damage.

### Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

##### 8(a): OCCUPATIONAL EXPOSURE LIMITS:

Substances	CAS Number	OSHA PEL-TWA	ACGIH-TLV-TWA
Xanthan Gum	11138-66-2	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

- Engineering measures : Use in a well-ventilated area. Use approved industrial ventilation and local exhaust. As required to maintain exposures below applicable exposure limits.

#### Personal protective equipment

- Eye protection : Wear safety glasses with side shields or splash proof goggles.
- Hand protection : Wear normal work gloves.
- Skin protection : Wear suitable protective clothing.
- Respiratory protection : Wear NIOSH-approved, European Standard EN 149 (FFP2/FFP3), AS/NZS 1715, or equivalent respirator when using this product. Handle only in a well-ventilated area.
- Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Powder

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Colour	:	Off white to tan
Odour	:	Slight
Flash point	:	200.0 °F (93.3 °C) estimated
pH	:	7 (1%)
Odour Threshold	:	no data available
Melting point/freezing point	:	no data available
Initial boiling point and boiling range	:	no data available
Evaporation rate	:	no data available
Flammability (solid, gas)	:	no data available
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Vapour pressure	:	no data available
Relative vapour density	:	no data available
Relative density	:	1.6
Density	:	42.5 lbs/ft <sup>3</sup>
Water solubility	:	Soluble in water
Solubility in other solvents	:	no data available
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	no data available
Thermal decomposition temperature	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Molecular weight	:	1,000,000

### Section: 10. STABILITY AND REACTIVITY

Chemical stability	:	Material is stable under normal conditions.
Possibility of hazardous reactions	:	Hazardous polymerization will not occur
Conditions to avoid	:	Avoid creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
Incompatible materials	:	Strong oxidizing agents.

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Hazardous decomposition products : Carbon monoxide and carbon dioxide.

### Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Eye, skin contact, inhalation

#### Potential Health Effects

Eyes : May cause mild irritation to the eye.

Skin : None known.

Ingestion : None known

Inhalation : May impede respiration

Acute oral toxicity : No data available

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : May cause mild irritation to the eye.

Respiratory or skin sensitization : No data available

Carcinogenicity : No data available to indicate product or components present at greater than 0.1% are chronic health hazards

### Section: 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Ecotoxicity for the component:

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Xanthan Gum	11138-66-2	>45,000 mg/kg (Rat)	No data available	>21 mg/L (Rat) 1h >4.25 mg/L (Rat) 4h

Substances	CAS Number	Skin corrosion/irritation
Xanthan Gum	11138-66-2	Non-irritating to the skin in rabbits

Substances	CAS Number	Eye damage/irritation
Xanthan Gum	11138-66-2	Mechanical irritation of the eyes is possible.

Substances	CAS Number	Skin Sensitization
Xanthan Gum	11138-66-2	No information available.

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Substances	CAS Number	Respiratory Sensitization
Xanthan Gum	11138-66-2	No sensitization responses were observed

Substances	CAS Number	Mutagenic Effects
Xanthan Gum	11138-66-2	No information available

Substances	CAS Number	Carcinogenic Effects
Xanthan Gum	11138-66-2	Did not show carcinogenic effects in animal experiments

Substances	CAS Number	Reproductive toxicity
Xanthan Gum	11138-66-2	Animal testing did not show any effects on fertility

Substances	CAS Number	STOT - single exposure
Xanthan Gum	11138-66-2	No significant toxicity observed in animal studies at concentration requiring classification.

Substances	CAS Number	STOT - repeated exposure
Xanthan Gum	11138-66-2	No significant toxicity observed in animal studies at concentration requiring classification.

Substances	CAS Number	Aspiration hazard
Xanthan Gum	11138-66-2	Not applicable

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Xanthan Gum	11138-66-2	No information available	TLM96 320-560 ppm (Oncorhynchus mykiss) LC50 (96h) 490 mg/L (Oncorhynchus mykiss)	No information available	TLM96 >75,000 ppm (Mysidopsis bahia) LC50 (48h) 980 mg/L (Daphnia magna)

**Environmental Effects** : The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability:** no data available

**Mobility:** no data available

**Bioaccumulative potential:** no data available

### Other information

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section: 13. DISPOSAL CONSIDERATIONS

**Disposal methods** : Bury in a licensed landfill according to federal, state and local regulations. Follow all applicable national and local regulations.

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Contaminated packaging : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section: 14. TRANSPORT INFORMATION

US D.O.T Non-bulk (packages less than 119 gallons):

#### Land transport (DOT):

Not regulated as dangerous goods.

#### Air transport (IATA)

Not regulated as dangerous goods

#### Sea transport (IMDG/IMO)

Not regulated as dangerous goods

### Section: 15. REGULATORY INFORMATION

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA list** : All components listed on inventory or are exempt

**EPA SARA Title III Extremely hazardous substances:** Not applicable.

**EPA SARA (311, 312) Hazard Class:** None

**EPA SARA (313) Chemicals:** This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (10 CFR 372)

**EPA CERCLA/Superfund Reportable Spill Quantity:** Not applicable

**EPA RCRA Hazardous waste classification:** If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.

#### US STATE REGULATION:

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100):** All components listed do not apply to the California Proposition 65 Regulation.

**US. Massachusetts RTK - Substance List:** Does not apply

**US. New Jersey Worker and Community Right-to-Know Act:** Does not apply

**US. Pennsylvania Worker and Community Right-to-Know Law:** Does not apply



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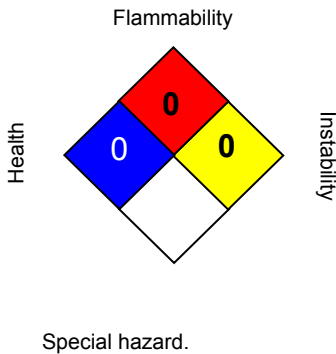
## INTERNATIONAL CHEMICAL CONTROL LAWS:

United States TSCA Inventory: On TSCA Inventory

Canadian Domestic Substances List (DSL): On DSL Inventory

## Section: 16. OTHER INFORMATION

### NFPA:



### HMIS III:

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

