

# Safety Data Sheet

Product Trade Name: SureFlow Sand

Revision Date: 12/18/2017

Revision No.: 2

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifiers

Product Name: SureFlow Sand  
Product No.: 11231  
Brand: SureFlow Sand  
CAS-No.: Proprietary

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Drilling Fluid Additive

### 1.3 Details of the Supplier of the Safety Data Sheet

Company: DrilRite-Chem LLC  
702 Blackjack St  
Winnsboro, TX 75494  
Telephone: +1 (903) 262-0078  
Email: service@drilrite.net

### 1.4 Emergency telephone number

Emergency Telephone #: Chemtrek 1-800-424-9300 (24hrs.)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye Irrit. 2B - H320

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard Statement(s)

H320 Causes eye irritation

Precautionary statement(s)

P264 Wash face, hands and any exposed skin thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing  
P337/313 IF EXPOSED or CONCERNED: Get medical advice/attention  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

This product is not considered to be persistent, bio accumulating nor toxic (PBT) This substance is not considered to be very persistent nor very bio accumulating (vPvB).

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Hazardous components Component	CAS No.	EC-No.	Synonyms	Classification	Concentration
Trade secret*	Proprietary	Proprietary	Proprietary	Eye Irrit. 2B – H320	60%
Polysaccharides	9004-32-4			0	34%
Oxides of silica, iron, aluminum, and calcium	Proprietary	Proprietary	Proprietary	0	<1%
Sodium Carbonate	497-19-8		Soda Ash	n/a	5%

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.\* The key ingredient chemical identity and exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200 \*The exact percentage concentration of the composition has been withheld as proprietary. This product contains a small quantity of quartz, crystalline silica. Prolonged and repeated exposure to concentrations of crystalline silica exceeding the workplace exposure limit (WEL) may lead to chronic lung disease such as silicosis. Because of quantity and composition, the health hazard is small. For the full text of the H-Statements mentioned in this Section, see Section 2.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact

If on skin: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available

### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Decomposition in fire may produce Carbon Oxides, Sodium Oxides.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

Avoid dusty conditions.

### 5.5 Unusual Fire and Explosion Hazards

No data available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing dust.

### 6.2 Environmental precautions

Do not let product enter drains

### 6.3 Methods and materials for containment and cleanup

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13

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## SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**  
Avoid contact with eyes, skin, or clothing. Avoid formation of dust.  
Provide appropriate exhaust ventilation at places where dust is formed. For precautions see Section 2.2
- 7.2 Conditions for safe storage, including any incompatibilities**  
Keep container tightly closed in a dry and well-ventilated place.
- 7.3 Specific end use(s)**  
Apart from the uses mentioned in section 1.2 no other specific uses are "stipulated".

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
Components with workplace control parameters

Component	CAS No.	Value	Control Parameters	Basis
All components	Proprietary	none	none	none

- 8.2 Exposure controls**  
**Appropriate engineering controls**  
Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the work day.
- Personal protective equipment**
- Eye/face protection**  
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)
- Skin protection**  
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws, regulations and good laboratory practices. Wash and dry hands.
- Body Protection**  
The type of Body Protection should be selected according to the concentration and the amount of the dangerous substances at the specific workplace.
- Respiratory Protection**  
Respiratory protection is not required. Where protection from nuisance levels of dust are desired use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
- Control of environmental exposure**  
Do not let product enter drains
- Threshold Limit Values**  
OSHA PELV = 15 mg/m<sup>3</sup> for dust

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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## 9.1 Information on basic physical and chemical properties

a) Appearance	Form: solid powder Color: white to off white
b) Odour	odorless
c) Odour Threshold	no data available
d) pH	10.9 - 11.9
e) Melt point/Freeze Point	>500C
f) Initial boiling Point And boiling range	no data available
g) Flash Point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	May form on combustion: Carbon Monoxide, Carbon Dioxide,
j) Upper/lower flammability Or explosive limits	no data available
k) Vapour pressure	no data available
l) Moisture %	<3%
m) Relative density	Uncompact: 45-65; Compact (65-85)
n) Water solubility	partially soluble
o) Partition coefficient: n- octanol/water	no data available
p) Auto Ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive Properties	no data available
t) Oxidizing Properties	no data available

## 9.2 Other safety information

no data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Mixture with strong acids produces considerable heat

### 10.5 Incompatible materials

Avoid contact with the following: Copper, Tin, Zinc, Aluminum, and their alloys.

### 10.6 Hazardous decomposition products

No data available

## SECTION 11: TOXICOLOGICAL INFORMATION

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## 11.1 Information on toxicological effects Acute toxicity

No data available

### Inhalation

No data available

### Ingestion

No data available

### Skin corrosion/irritation

May cause mild skin irritation.

### Serious eye damage/eye irritation

May cause eye irritation.

### Respiratory or skin sensitization

No data available

### Germ cell mutagenicity

No data available

### Carcinogenicity

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 IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: 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.

### Chronic Effects/Carcinogenicity:

No data available

### Reproductive toxicity

No data available

### Specific target organ toxicity-single exposure

No data available

### Specific target organ toxicity-repeated exposure

No data available

### Aspiration hazard

No data available

### Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Aquatic: Trout (*Oncorhynchus mykiss*) 96 hr Static Acute Test passes at LC50-379 (PPM)

### 12.2 Persistence and degradability

No data available

### 12.3 Bio accumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/conducted

### 12.6 Other adverse effects

No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company

#### Contaminated packaging

Dispose of as unused product

## SECTION 14: TRANSPORT INFORMATION

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**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**SECTION 15: REGULATORY INFORMATION****US TSCA Inventory**

All components listed on inventory or are exempt

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313 Components**

This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under section 313 (40 CFR 372). This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372)

**SARA 311/312 Hazards**

Chronic Health Hazard

**Massachusetts Right To Know Components**

Does not apply

**Pennsylvania Right To Know Components**

Does not apply

**New Jersey Right To Know Components**

Does not apply

**California Prop. 65 Components**

The California Proposition 65 regulations apply to this product

**SECTION 16: OTHER INFORMATION****HMIS Rating**

Health Hazard:	1
Chronic Health Hazard:	0
Flammability:	0
Physical Hazard:	0

**NFPA Rating**

Health Hazard:	1
Fire Hazard:	0
Reactivity Hazard:	0

**Further Information**

The information presented herein is based on the best data available and is believed to be correct. However, nothing stated in this information is to be taken as warranty, expressed or implied, regarding the accuracy of the information or the use of our product; nor shall anything contained herein be construed to constitute a permission or recommendation to practice any invention covered by patent or patent application, or know-how owned by DrillRite-Chem LLC, any of its divisions, or by others, without a license by the owner of the patent, patent application, or know-how.

**Preparation Information**

DrillRite-Chem LLC

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