

# **SAFETY DATA SHEET**

according to Regulation (EC) No. 453/2010

## **SAND STOP CLEANER**

Revision Date: 19-Nov-2010

Revision Number: 6

### **1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product Identifier****Product Name** SAND STOP CLEANER**Relevant identified uses of the substance or mixture and uses advised against****Recommended Use** Cleaner**Uses Advised Against** No information available**Details of the supplier of the safety data sheet**

Halliburton Energy Services  
Halliburton House, Howemoss Place  
Kirkhill Industrial Estate  
Dyce  
Aberdeen, AB21 0GN  
United Kingdom

Emergency Phone Number: +44 1224 795277 or +1 281 575 5000

[www.halliburton.com](http://www.halliburton.com)

For further information, please contact

**E-Mail address:** [fdunexchem@halliburton.com](mailto:fdunexchem@halliburton.com)**Emergency telephone number**

+44 1224 795277 or +1 281 575 5000

**Emergency telephone \$45 - (EC)1272/2008**

<b>Europe</b>	<b>112</b>
<b>Denmark</b>	Poison Control Hotline (DK): +45 82 12 12 12
<b>France</b>	ORFILA (FR): + 01 45 42 59 59
<b>Germany</b>	Poison Center Berlin (DE): +49 030 30686 790
<b>Italy</b>	Poison Center, Milan (IT): +39 02 6610 1029
<b>Netherlands</b>	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
<b>Norway</b>	Poisons Information (NO): + 47 22 591300
<b>Poland</b>	Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54; +48 22 619 08 97
<b>Spain</b>	Poison Information Service (ES): +34 91 562 04 20
<b>United Kingdom</b>	NHS Direct (UK): +44 0845 46 47

### **2. HAZARDS IDENTIFICATION**

**Classification of the substance or mixture****REGULATION (EC) No 1272/2008**

Flammable liquids.

Category 3- H226

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

For the full text of the R-phrases mentioned in this Section, see Section 16

**Classification** Not Classified

**2. HAZARDS IDENTIFICATION****Risk Phrases**

R10 Flammable.

**Label Elements****Hazard Pictograms****Signal Word****Warning****Hazard Statements**

H226 - Flammable liquid and vapor

**Contains****Substances**

1-Methoxy-2-propanol

**CAS Number**

107-98-2

**Precautionary Statements - EU (§28, 1272/2008)**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

**Other Hazards**

None known

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substances	EINECS	CAS Number	PERCENT	EEC Classification	EU - CLP Substance Classification	REACH No.
1-Methoxy-2-propanol	203-539-1	107-98-2	60 - 100%	R10	Flam. Liq. 3 (H226)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

**4. FIRST AID MEASURES****Description of first aid measures****Inhalation**

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Eyes**

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

**Skin**

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and laundry before reuse.

**Ingestion**

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Most Important symptoms and effects, both acute and delayed**

May cause eye, skin, and respiratory irritation. May cause headache, dizziness, and other central nervous system effects.

#### 4. FIRST AID MEASURES

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

Notes to Physician Treat symptomatically

#### 5. FIREFIGHTING MEASURES

##### Extinguishing media

##### Suitable Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

##### Extinguishing media which must not be used for safety reasons

None known.

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

##### Special Exposure Hazards

May be ignited by heat, sparks or flames. Use water spray to cool fire exposed surfaces. Closed containers may explode in fire. Decomposition in fire may produce toxic gases. Vapors are heavier than air and may accumulate in low areas. Vapors may travel along the ground to be ignited at distant locations.

##### Advice for firefighters

##### Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

#### 6. ACCIDENTAL RELEASE MEASURES

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

Use appropriate protective equipment. Wear self-contained breathing apparatus in enclosed areas. See Section 12 for additional information

##### Environmental precautions

Prevent from entering sewers, waterways, or low areas.

##### Methods and material for containment and cleaning up

Isolate spill and stop leak where safe. Remove ignition sources and work with non-sparking tools. Contain spill with sand or other inert materials. Scoop up and remove.

##### Reference to other sections

See Section 12 for additional information.

#### 7. HANDLING AND STORAGE

##### Precautions for Safe Handling

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse. Ground and bond containers when transferring from one container to another.

##### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

##### Conditions for safe storage, including any incompatibilities

Store away from oxidizers. Store in a cool well ventilated area. Keep from heat, sparks, and open flames. Keep container closed when not in use. May discolor mild steel. Product has a shelf life of 24 months.

##### Specific End Use(s)

##### Exposure Scenario

No information available

##### Other Guidelines

No information available

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Control parameters

Substances	EU	UK OEL	Netherlands	France OEL	Germany MAK/TRK
1-Methoxy-2-propanol	Not applicable	100 ppm	375 mg/m <sup>3</sup>	50 ppm	100 ppm

Substances	Italy	Poland	Hungary	Czech Republic	Denmark
1-Methoxy-2-propanol	100 ppm	180 mg/m <sup>3</sup>	375 mg/m <sup>3</sup>	270 mg/m <sup>3</sup>	Not applicable

**Derived No Effect Level (DNEL)** No information available.  
**Predicted No Effect Concentration (PNEC)** No information available.

**Exposure controls****Engineering Controls**

Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

**Personal protective equipment****Respiratory Protection**

Organic vapor respirator.

**Hand Protection**

Polyvinylchloride gloves. Nitrile gloves.

**Skin Protection**

PVC coated apron or clothing.

**Eye Protection**

Chemical goggles; also wear a face shield if splashing hazard exists. Do NOT wear contact lenses.

**Other Precautions**

Eyewash fountains and safety showers must be easily accessible.

**Environmental Exposure Controls**

No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Physical State:** Liquid

**Color:** Colorless

**Odor:** Ether

**Odor Threshold:** No information available

PropertyValuesRemarks/ Method**pH:**

No data available

**Melting Point/Range**

No data available

**Freezing Point/Range (C):**

-97°C

**Boiling Point/Range**

121°C

**Flash Point**

30°C

**PMCC**

upper flammability limit

13.1%

lower flammability limit

1.9%

**Evaporation rate**

No data available

**Vapor Pressure**

10.9 mmHg

**Vapor Density**

No data available

**Specific Gravity**

0.92

**Water Solubility**

Soluble in water

**Solubility in other solvents**

No data available

**Partition coefficient: n-octanol/water**

0.01

**Autoignition Temperature**

No data available

**Decomposition Temperature**

No data available

**Viscosity**

No data available

**Explosive Properties**

No information available

**Oxidizing Properties**

No information available

Other information**VOC Content (%)**

No data available

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not applicable

**Chemical Stability**

Stable

**Possibility of Hazardous Reactions**

Will Not Occur

**Conditions to Avoid**

Keep away from heat, sparks and flame.

**Incompatible Materials**

Strong oxidizers.

**Hazardous Decomposition Products**

**10. STABILITY AND REACTIVITY**

Carbon monoxide and carbon dioxide.

**11. TOXICOLOGICAL INFORMATION****Information on Toxicological Effects****Acute Toxicity****Inhalation**

May cause respiratory irritation. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

**Eye Contact**

May cause eye irritation.

**Skin Contact**

May cause skin defatting with prolonged exposure. Can dry skin. May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

**Ingestion**

May cause abdominal pain, vomiting, nausea, and diarrhea.

**Chronic Effects/Carcinogenicity** May cause testicular toxicity.

Substances	LD50 Oral	LD50 Dermal	LC50 Inhalation
1-Methoxy-2-propanol	No data available	No data available	No data available

**12. ECOLOGICAL INFORMATION****Toxicity****Ecotoxicity Effects**

Substances	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
1-Methoxy-2-propanol	No information available	No information available	No information available	No information available

**Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available

**Mobility in soil**

No information available

**Results of PBT and vPvB assessment**

No information available.

**Other adverse effects****Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal Method**

Disposal should be made in accordance with federal, state, and local regulations.

**Contaminated Packaging**

Follow all applicable national or local regulations.

**14. TRANSPORT INFORMATION****IMDG/IMO**

UN Number: UN3092,  
UN Proper Shipping Name: 1-Methoxy-2-Propanol  
Transport Hazard Class(es): , 3  
Packing Group: , III  
EMS: EmS F-A, S-D

**RID**

UN Number: UN3092,  
UN Proper Shipping Name: 1-Methoxy-2-Propanol  
Transport Hazard Class(es): , 3  
Packing Group: , III

**ADR**

UN Number: UN3092,  
UN Proper Shipping Name: 1-Methoxy-2-Propanol  
Transport Hazard Class(es): , 3  
Packing Group: , III

**IATA/ICAO**

UN Number: UN3092,  
UN Proper Shipping Name: 1-Methoxy-2-Propanol  
Transport Hazard Class(es): , 3  
Packing Group: , III

**Special Precautions for User** None

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Inventories**

**EINECS Inventory** This product, and all its components, complies with EINECS  
**US TSCA Inventory** All components listed on inventory or are exempt.  
**Canadian DSL Inventory** All components listed on inventory or are exempt.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**Germany, Water Endangering Classes (WGK)** WGK 1: Low hazard to waters.

**Chemical Safety Assessment**

No information available

**16. OTHER INFORMATION****Full text of R-phrases referred to under Sections 2 and 3**

R10 Flammable.

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**16. OTHER INFORMATION**

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**Key literature references and sources for data**

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

**Revision Date:** 19-Nov-2010  
**Revision Note** Not applicable

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer Statement**

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**End of Safety Data Sheet**