

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

## KEROSENE

Revision Date: 20-Dec-2012

Revision Number: 9

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

**Product Identifier**

Product Name KEROSENE

**Relevant identified uses of the substance or mixture and uses advised against**

Recommended Use Solvent

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**

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

### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

Aspiration Category	Category 1- H304
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**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

**2. HAZARDS IDENTIFICATION****Classification**

Xn - Harmful.

**Risk Phrases**

R65 Harmful: may cause lung damage if swallowed.

**Label Elements****Hazard Pictograms****Signal Word**

Danger

**Hazard Statements**

H304 - May be fatal if swallowed and enters airways

**Contains****Substances**

Kerosene

**CAS Number**

8008-20-6

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

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

**Other Hazards**

None known

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substances	EINECS	CAS Number	PERCENT	EEC Classification	EU - CLP Substance Classification	REACH No.
Kerosene	232-366-4	8008-20-6	60 - 100%	Xn; R65	Asp. Tox. 1 (H304)	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 launder before reuse.

**Ingestion**

Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

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

#### 4. FIRST AID MEASURES

May cause eye and skin irritation. May cause headache, dizziness, and other central nervous system effects. May cause lung damage if swallowed.

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

**Notes to Physician** Treat symptomatically

#### 5. FIREFIGHTING MEASURES

##### Extinguishing media

##### Suitable Extinguishing Media

Carbon dioxide, dry chemical, foam.

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

None known.

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

##### Special Exposure Hazards

Use water spray to cool fire exposed surfaces. Closed containers may explode in fire. Decomposition in fire may produce toxic gases. Runoff to sewer may cause fire or explosion hazard.

##### 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.

##### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

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

Store away from oxidizers. Keep from heat, sparks, and open flames. Keep container closed when not in use. 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
Kerosene	Not applicable	5 mg/m <sup>3</sup>	Not applicable	Not applicable	Not applicable

Substances	Italy	Poland	Hungary	Czech Republic	Denmark
Kerosene	Not applicable	100 mg/m <sup>3</sup>	Not applicable	Not applicable	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**

Impervious rubber gloves.

**Skin Protection**

Rubber apron.

**Eye Protection**

Chemical goggles; also wear a face shield if splashing hazard exists.

**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:** Clear straw

**Odor:** Hydrocarbon

**Odor Threshold:** No information available

**Property****Values**

**Remarks/ Method**

**pH:**

No data available

**Melting Point/Range**

No data available

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

No data available

**Boiling Point/Range**

148°C

**Flash Point**

57°C

Tag closed cup

**upper flammability limit**

6%

**lower flammability limit**

1.1%

**Evaporation rate**

< 1

**Vapor Pressure**

1 mmHg

**Vapor Density**

5

**Specific Gravity**

0.8

**Water Solubility**

Insoluble in water

**Solubility in other solvents**

No data available

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

No data available

**Autoignition Temperature**

254°C

**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**

Carbon monoxide and carbon dioxide. Hydrocarbons.

## 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. May cause skin irritation.

##### Ingestion

Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal. May cause headache, dizziness, nausea, vomiting, gastrointestinal irritation and central nervous system depression.

**Chronic Effects/Carcinogenicity** Contains kerosene, a suspect animal skin carcinogen. A skin painting study with kerosene in mice has produced positive skin tumors.

Substances	LD50 Oral	LD50 Dermal	LC50 Inhalation
Kerosene	> 5000 mg/kg	> 5000 mg/kg	No data available

## 12. ECOLOGICAL INFORMATION

### Toxicity

#### Ecotoxicity Effects

Substances	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Kerosene	No information available	No information available	No information available	No information available

#### Persistence and degradability

Not readily biodegradable

#### 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: UN1223,  
UN Proper Shipping Name: Kerosene  
Transport Hazard Class(es): , 3  
Packing Group: , III  
EMS: EmS F-E, S-E

**RID**

UN Number: UN1223,  
UN Proper Shipping Name: Kerosene  
Transport Hazard Class(es): , 3  
Packing Group: , III

**ADR**

UN Number: UN1223,  
UN Proper Shipping Name: Kerosene  
Transport Hazard Class(es): , 3  
Packing Group: , III

**IATA/ICAO**

UN Number: UN1223,  
UN Proper Shipping Name: Kerosene  
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)** Not determined.

**Chemical Safety Assessment**

No information available

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

R65 Harmful: may cause lung damage if swallowed.

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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:** 20-Dec-2012  
**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**