

Safety data sheet number PID12273

Version 7

Revision date 16/Jun/2017

Supersedes date 20/Aug/2014



## Safety Data Sheet PI-7258

### 1. Identification of the substance/preparation and of the Company/undertaking

#### 1.1 Product identifier

Product name PI-7258  
Product code PID12273  
Norway Pr. no. 76762  
Denmark Pr. no. 1713601

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

Recommended Use Paraffin Inhibitor

Uses advised against Consumer use

#### 1.3 Details of the supplier of the safety data sheet

##### Supplier

M-I Drilling Fluids UK Limited  
C/O Schlumberger  
Enterprise Drive  
Westhill Industrial Estate  
Westhill, AB32 6TQ  
Scotland UK  
+47 51577424

SDS@slb.com

#### 1.4 Emergency Telephone Number

**Emergency telephone** - (24 Hour) Australia +61 2801 44558, Asia Pacific +65 3158 1074, China +86 10 5100 3039, Europe +44 (0) 1235 239 670, Middle East and Africa +44 (0) 1235 239 671, New Zealand +64 9929 1483, USA 001 281 561 1600

Denmark	Poison Control Hotline (DK): +45 82 12 12 12
Germany	Poison Center Berlin (DE): +49 030 30686 790
Norway	Poison information centre: +47 22 59 13 00

### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

##### Health hazards

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

Environmental hazards Not classified

**Physical Hazards**

Not classified

## **2.2 Label elements**



### **Signal word**

WARNING

### **Hazard statements**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

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

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

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 advice/attention

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

### **Supplementary precautionary statements**

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

### **Contains**

2-(2-Butoxyethoxy)ethanol

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine

## **2.3 Other hazards**

Not classified as PBT/vPvB by current EU criteria

## **3. Composition/information on ingredients**

### **3.1 Substances**

Not applicable

### **3.2 Mixtures**

Chemical Name	EC No	CAS No	Weight-%	Regulation (EC) No 1272/2008	REACH registration number
2-(2-Butoxyethoxy)ethanol	203-961-6	112-34-5	30-60	Eye Irrit. 2 (H319)	01-2119475104-4 4-XXXX
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine	284-664-9	84961-74-0	30-60	Skin Irrit. 2(H315) Eye Irrit. 2(H319)	01-2119985163-3 3-xxxx

#### Comments

The product contains other ingredients which do not contribute to the overall classification.

### 4. First aid measures

#### 4.1 First aid measures

<b>Inhalation</b>	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek medical attention if irritation occurs.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation persists.
<b>Eye Contact</b>	Remove contact lenses. Promptly wash eyes with lots of water while lifting eye lids. Continue to rinse for at least 15 minutes. Seek medical attention.

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

<b>General advice</b>	The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop, the casualty should be transferred to hospital as soon as possible.
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#### Symptoms

<b>Inhalation</b>	Please see Section 11. Toxicological Information for further information.
<b>Ingestion</b>	Please see Section 11. Toxicological Information for further information.
<b>Skin contact</b>	Please see Section 11. Toxicological Information for further information.
<b>Eye contact</b>	Please see Section 11. Toxicological Information for further information.

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

<b>Notes to physician</b>	Treat symptomatically.
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### 5. Fire-fighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media**

Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), or foam.

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

Do not use water jet, Do not use a solid water stream as it may scatter and spread fire.

**5.2. Special hazards arising from the substance or mixture****Unusual fire and explosion hazards**

None known.

**Hazardous combustion products**

Fire or high temperatures create: Sulphur dioxide, Nitrogen oxides (NO<sub>x</sub>), Carbon oxides (CO<sub>x</sub>), Hydrogen cyanide (hydrocyanic acid).

**5.3 Advice for firefighters****Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

**Special Fire-Fighting Procedures**

Containers close to fire should be removed immediately or cooled with water.

## 6. Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. See also section 8.

**6.2 Environmental precautions**

The product should not be allowed to enter drains, water courses or the soil.

**Environmental exposure controls**

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

**6.3 Methods and material for containment and cleaning up****Methods for containment**

Prevent further leakage or spillage if safe to do so. Dyke far ahead of liquid spill for later disposal.

**Methods for cleaning up**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. After cleaning, flush away traces with water.

**6.4 Reference to other sections**

See section 13 for more information.

## 7. Handling and storage

**7.1 Precautions for safe handling**

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## Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Avoid spills and splashing during use.

## Hygiene measures

Use good work and personal hygiene practices to avoid exposure. When using, do not smoke, eat or drink. Wash hands and face before breaks and immediately after handling the product. Remove contaminated clothing.

## 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures/precautions** Ensure adequate ventilation. Keep airborne concentrations below exposure limits.

**Storage precautions** Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid excessive heat for prolonged periods of time. Avoid contact with: Strong acids, Alkalies, Oxidizing agents, Strong bases.

**Storage class** Chemical storage.

**Packaging materials** Use specially constructed containers only.

## 7.3 Specific end uses

See Section 1.2.

# 8. Exposure controls/personal protection

## 8.1 Control parameters

### Component Information

Chemical Name	EU OEL - Third List	Austria	Australia	Denmark
2-(2-Butoxyethoxy)ethanol	15 ppm STEL 101.2 mg/m <sup>3</sup> STEL 10 ppm TWA 67.5 mg/m <sup>3</sup> TWA	15 ppm STEL 101.2 mg/m <sup>3</sup> STEL 10 ppm TWA 67.5 mg/m <sup>3</sup> TWA	Not determined	100 mg/m <sup>3</sup>
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine	Not determined	Not determined	Not determined	Not determined
Chemical Name	Malaysia	France	Germany	Hungary
2-(2-Butoxyethoxy)ethanol	Not determined	15ppmSTEL 101.2mg/m <sup>3</sup> STEL 10 ppmTWA 67.5 mg/m <sup>3</sup> TWA	67 mg/m <sup>3</sup> TWA 10 ppm TWA	67.5mg/m <sup>3</sup> TWA 101.2mg/m <sup>3</sup> STEL
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine	Not determined	Not determined	Not determined	Not determined
Chemical Name	New Zealand	Italy	Netherlands	Norway
2-(2-Butoxyethoxy)ethanol	Not determined	Not determined	50 mg/m <sup>3</sup> TWA	10 ppm TWA 68 mg/m <sup>3</sup> TWA 15 ppm STEL 102 mg/m <sup>3</sup> STEL
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine	Not determined	Not determined	Not determined	Not determined
Chemical Name	Poland	Portugal	Romania	Russia
2-(2-Butoxyethoxy)ethanol	100 mg/m <sup>3</sup> STEL NDSch 67 mg/m <sup>3</sup> TWA NDS	15 ppm STEL VLE-CD 101.2 mg/m <sup>3</sup> STEL VLE-CD 10 ppm TWA indicative limit value 67.5 mg/m <sup>3</sup> TWA	15ppmSTEL 101.2mg/m <sup>3</sup> STEL 67.5mg/m <sup>3</sup> TWA 10ppmTWA	10 mg/m <sup>3</sup> MAC

		indicative limit value		
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine	Not determined	Not determined	Not determined	Not determined
<b>Chemical Name</b>	<b>Spain</b>	<b>Switzerland</b>	<b>Turkey</b>	<b>UK</b>
2-(2-Butoxyethoxy)ethanol	15 ppm STEL 101.2 mg/m <sup>3</sup> STEL 10 ppm TWA VLA-ED 67.5 mg/m <sup>3</sup> TWA VLA-ED	15 ppm STEL 101 mg/m <sup>3</sup> STEL 10 ppm TWA MAK 67 mg/m <sup>3</sup> TWA MAK	15 ppm STEL 101.2 mg/m <sup>3</sup> STEL 10 ppm TWA 67.5 mg/m <sup>3</sup> TWA	15 ppm STEL 101.2 mg/m <sup>3</sup> STEL 10 ppm TWA 67.5 mg/m <sup>3</sup> TWA
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine	Not determined	Not determined	Not determined	Not determined

## Derived No Effect Level (DNEL)

### Short term exposure local effects

#### 2-(2-Butoxyethoxy)ethanol

Inhalation 101.2 mg/m<sup>3</sup>

### Short term exposure systemic effects

#### 2-(2-Butoxyethoxy)ethanol

Inhalation 67.5 mg/m<sup>3</sup>

### Long term exposure systemic effects

#### 2-(2-Butoxyethoxy)ethanol

Dermal 20 mg/kg  
Inhalation 67.5 mg/m<sup>3</sup>

#### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine

Dermal 0.94 mg/kg  
Inhalation 3.33 mg/m<sup>3</sup>

## Predicted No Effect Concentration (PNEC)

#### 2-(2-Butoxyethoxy)ethanol

Fresh Water 1.0 mg/L  
Sea Water 0.1 mg/L  
Fresh water sediment 4 mg/kg  
Sea sediment 0.4 mg/kg  
Soil 0.4 mg/kg  
Impact on sewage treatment 200 mg/L  
Intermittent release 3.9 mg/L

#### Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine

Fresh Water 0.268 mg/L  
Sea Water 0.0268 mg/L  
Fresh water sediment 8.1 mg/kg  
Sea sediment 8.1 mg/kg  
Soil 35 mg/kg  
Impact on sewage treatment 1.67 mg/L  
Intermittent release 0.268 mg/L

## 8.2 Exposure controls

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

### Engineering Controls

Ensure adequate ventilation. Local exhaust ventilation.

### Personal protective equipment

#### Eye protection

Use eye protection according to EN 166, designed to protect against liquid splashes. Tightly fitting safety goggles. Safety glasses with side-shields.

<b>Hand protection</b>	Wear gloves according to EN 374 resistant to the solvent(s) in use Use protective gloves made of: Butyl Rubber Break through time >120 minutes Glove thickness 0.5 mm
<b>Respiratory protection</b>	Be aware that liquid may penetrate the gloves. Frequent change is advisable. In case of insufficient ventilation wear suitable respiratory equipment, Respirator with combination filter for vapour/particulate (EN 141), Type A/P2, At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.
<b>Skin and body protection</b>	Wear suitable protective clothing, Eye wash and emergency shower must be available at the work place.
<b>Hygiene measures</b>	Wash hands before eating, drinking or smoking, Remove and wash contaminated clothing before re-use.



## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	No information available
<b>Odour</b>	No information available
<b>Colour</b>	Pale - Light yellow
<b>Odour threshold</b>	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	No information available	
<b>pH @ dilution</b>		
<b>Melting / freezing point</b>	< -20 °C / -4 °F	
<b>Boiling point/range</b>	No information available	
<b>Flash point</b>	> 70 °C / > 158 °F	Seta closed cup
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	Not applicable	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit</b>	Not applicable	
<b>Lower flammability limit</b>	Not applicable	
<b>Vapour pressure</b>	1.9 kPa	@ 20 °C
<b>Vapour density</b>	No information available	
<b>Specific gravity</b>	No information available	
<b>Bulk density</b>	No information available	
<b>Relative density</b>	No information available	
<b>Water solubility</b>	Miscible with water.	
<b>Solubility in other solvents</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	30.9 cPs	@ 20 °C
<b>Dynamic viscosity</b>	No information available	
<b>log Pow</b>	Not determined	

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<b>Explosive properties</b>	Not applicable
<b>Oxidising properties</b>	None known

**9.2 Other information**

<b>Pour point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content(%)</b>	None
<b>Density</b>	1.00 ± 0.03 g/ml @ 20°C

**Comments**

The data listed above are typical physical and chemical properties and should not be construed as product specification.

## 10. Stability and reactivity

**10.1 Reactivity**

No specific reactivity hazards associated with this product.

**10.2 Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3 Possibility of Hazardous Reactions****Hazardous polymerisation**

Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

Avoid excessive heat for prolonged periods of time.

**10.5 Incompatible materials**

Strong acids. Alkalis. Oxidizing agents. Strong bases.

**10.6 Hazardous decomposition products**

See Section 5.2.

## 11. Toxicological information

**11.1 Information on toxicological effects****Acute toxicity**

<b>Inhalation</b>	Vapors may irritate throat and respiratory system.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin contact</b>	Causes skin irritation.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
<b>Unknown acute toxicity</b>	Not applicable.

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**Toxicology data for the components**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-(2-Butoxyethoxy)ethanol	= 5660 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	No data available
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine	>2000 mg/kg ( Rat )	No data available	No data available

**Sensitisation** This product does not contain any components suspected to be sensitizing.

**Mutagenic effects** This product does not contain any known or suspected mutagens.

**Carcinogenicity** This product does not contain any known or suspected carcinogens.

**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.

**Routes of exposure** Eye contact. Skin contact.

**Routes of entry** Eye contact. Skin contact.

**Specific target organ toxicity - Single exposure** Not classified

**Specific target organ toxicity - Repeated exposure** Not classified.

**Aspiration hazard** Not applicable.

## 12. Ecological information

### 12.1 Toxicity

The product component(s) are 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.

**Toxicity to algae**

See component information below.

**Toxicity to fish**

See component information below.

**Toxicity to daphnia and other aquatic invertebrates**

See component information below.

Chemical Name	Toxicity to fish	Toxicity to algae	Toxicity to daphnia and other
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			<b>aquatic invertebrates</b>
2-(2-Butoxyethoxy)ethanol	= 1300 mg/L LC50 Lepomis macrochirus 96 h	> 100 mg/L EC50 Desmodesmus subspicatus 96 h	= 2850 mg/L EC50 Daphnia magna 24 h > 100 mg/L EC50 Daphnia magna 48 h
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives, compounds with 2-propanamine	No information available	No information available	No information available

## **12.2 Persistence and degradability**

Product is biodegradable.

## **12.3 Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

## **12.4 Mobility in soil**

### **Mobility**

The product is miscible with water. May spread in water systems.

## **12.5 Results of PBT and vPvB assessment**

Not classified as PBT/vPvB by current EU criteria.

## **12.6 Other adverse effects.**

None known.

# **13. Disposal considerations**

## **13.1 Waste treatment methods**

### **Waste from residues / unused products**

Dispose of in accordance with local regulations.

### **Contaminated packaging**

Empty containers should be transported/delivered using a registered waste carrier for local recycling or waste disposal.

### **EWC Waste Disposal No**

According to the European Waste Catalogue, Waste Codes are not product specific, but

application specific Waste codes should be assigned by the user based on the application for which the product was used The following Waste Codes are only suggestions: EWC waste disposal No: 07 01 04 Waste Code: 7152 Organic waste without halogen.

## 14. Transport information

### 14.1. UN number

Not regulated

### 14.2. UN proper shipping name

The product is not covered by international regulation on the transport of dangerous goods

### 14.3. Hazard class(es)

ADR/RID/ADN/ADG Hazard class	Not regulated
IMDG Hazard class	Not regulated
ICAO Hazard class/division	Not regulated

### 14.4 Packing group

ADR/RID/ADN/ADG Packing Group	Not regulated
IMDG Packing group	Not regulated
ICAO Packing group	Not regulated

### 14.5 Environmental hazard

No

### 14.6 Special precautions

Not applicable

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

Please contact SDS@slb.com for info regarding transport in Bulk.

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Germany, Water Endangering** Water endangering class = 2  
**Classes (VwVwS)**

**Australian Standard for the Uniform Scheduling of Drugs and Poisons**

2-(2-Butoxyethoxy)ethanol  
 Schedule 5

**Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and**

2000/21/EC, including amendments.

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008.

#### International inventories

USA, Toxic Substances Control Act inventory (TSCA)	Does not Comply
European Union - EINECS and ELINCS	Complies
Canada (DSL)	Does not Comply
Philippines (PICCS)	Does not Comply
Inventory - Japan - Existing and New Chemicals list	Does not Comply
China (IECSC)	Does not Comply
Australia (AICS)	Does not Comply
Korea (KECL)	Does not Comply
Inventory - New Zealand - Inventory of Chemicals (NZIoC)	Does not Comply

#### 15.2 Chemical Safety Report

No information available

### 16. Other information

Prepared by	Global Regulatory Compliance - Chemicals (GRC - Chemicals) , Sandra McWilliam
Supersedes date	20/Aug/2014
Revision date	16/Jun/2017
Version	7
This SDS has been revised in the following section(s)	All sections There have been changes with regard to classification.

#### Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation  
H319 - Causes serious eye irritation

#### Disclaimer

The information contained herein is considered in good faith as reliable of the date issued and is based upon on measurements, tests or data derived from supplier's own study or furnished by others. In providing this SDS information, Supplier makes no express or implied warranties as to the information or product; merchantability or fitness of purpose; any express or implied warranty; or non-infringement of intellectual property rights; and supplier assumes no responsibility for any direct, special or consequential damages, results obtained, or the activities of others. To the maximum extent permitted by law, supplier's warranty obligations and buyer's sole remedies are as stated in separate agreement between the parties.