

**SAFETY DATA SHEET**  
according to Regulation (EC) No 1907/2006  
as amended by Regulation (EC) No 2015/830

**Print date:**  
12/21/2015

**Version:**  
4

**Revision date:**  
12/21/2015

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product trade name:** **QUAKERCOOL 7101 LF**

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

**Application**

Machining and grinding fluid

**1.3. Details of the supplier of the safety data sheet**

**Supplier:**

**Quaker Chemical B.V.**  
Industrieweg 7, 1422 AH Uithoorn  
The Netherlands  
T:+31 (0) 297 544644  
F:+31 (0) 297 544694  
**quakerchem.com**

**Responsible person:**

**Quaker Chemical B.V.**  
Industrieweg 7, 1422 AH Uithoorn  
The Netherlands  
T:+31 (0) 297 544644  
F:+31 (0) 297 544694  
**quakerchem.com**

**National contact:**

**Quaker Chemical B.V.**  
Department for Safety, Health and Environment  
**SHEQEU@quakerchem.com**

**1.4. Emergency telephone number**

**United Kingdom: 08 448 920 111**  
National Poisons Information Services (24/7)  
**Ireland: 01 837 99 64**  
Poisons information centre of Ireland (24/7)

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

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

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Chronic aquatic toxicity	Category 3 - (H412)

**Classification procedure:** Calculation method

## 2.2. Label elements



### Signal Word

**WARNING**

### Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

### Precautionary statements

Wash face, hands and any exposed skin thoroughly after handling

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

Avoid release to the environment

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 ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Dispose of as hazardous waste in compliance with local and national regulations.

## 2.3. Other hazards

None under normal use

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. Product is a mixture.

### 3.2 Mixture

#### Description of the mixture:

Product is a mixture of: mineral oil, water, salt, additives.

#### Hazardous ingredients:

Components	EC No	Index No	REACH Registration No	Weight %	Classification according to Regulation (EC) No 1272/2008 (CLP)
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	265-157-1	649-467-00-8		30 - 100	Asp. Tox. 1 (H304)
1-Phenoxypropan-2-ol 770-35-4	212-222-7		01-2119486566-23	1 - 5	Eye Irrit. 2 (H319)
Sulfonic acids, petroleum, sodium salts 68608-26-4	271-781-5		01-2119527859-22	1 - 5	Eye Irrit. 2 (H319)

3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	266-235-8			1 - 5	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Corr. 1C (H314)
Mineral oil Mixture*	Listed			1 - 5	None
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	223-296-5			< 1	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 2 (H315) Eye Dam. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

Full text of H- and EUH-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General notes:</b>	First aid may be given by the first person 'on the spot'. However, it is generally known that a first aider a person is with first aid training. First aiders should be familiar with the specific conditions and hazards at the workplace.
<b>Following inhalation:</b>	Not hazardous by inhalation.
<b>Following skin contact:</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
<b>Following eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
<b>Following ingestion:</b>	Rinse mouth
<b>Self-protection of the first aider:</b>	First aider needs to protect himself.

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

<b>Following inhalation:</b>	
<b>Acute:</b>	There are no symptoms or effects reported.
<b>Delayed:</b>	There are no symptoms or effects reported.
<b>Following skin contact:</b>	
<b>Acute:</b>	Irritation, Redness.
<b>Delayed:</b>	Irritation, Redness.
<b>Following eye contact:</b>	
<b>Acute:</b>	Irritation, Redness.
<b>Delayed:</b>	Irritation, Redness.
<b>Following ingestion:</b>	
<b>Acute:</b>	There are no symptoms or effects reported.
<b>Delayed:</b>	There are no symptoms or effects reported.

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

Following inhalation: No data available

Following skin contact: No data available

Following eye contact: No data available

Following ingestion: No data available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Unsuitable extinguishing media: High volume water jet

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

Hazardous combustion products: Not applicable - boils at 100°C (product contains water)

#### 5.3. Advice for firefighters

Standard procedure for chemical fires

### SECTION 6: Accidental release measures

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

##### 6.1.1 For non-emergency personnel

Protective equipment: Use suitable protective equipment (see also section 8) to prevent any contamination of skin, eyes and personal clothing.

Emergency procedures: Consult an expert.

##### 6.1.2 For emergency responders

Protective equipment: Use suitable protective equipment (see also section 8) to prevent any contamination of skin, eyes and personal clothing.

Emergency procedures: Consult an expert.

#### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system

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

6.3.1 For containment: Covering of the drains.

6.3.2 For cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

6.3.3 Other information: Clear spills immediately

#### 6.4. Reference to other sections

See also sections 8 and 13.

### SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

### Protective measures:

**Measures to prevent fire:** Always keep ignition sources and product separated. Use a fire suppression system which is suitable for the facility and the potential hazards.

**Measures to prevent aerosol and dust generation:** Provide sufficient air exchange and/or exhaust in work rooms.

**Measures to protect the environment:** Do not flush into surface water or sanitary sewer system

**Advice on general occupational hygiene:** Wash hands thoroughly after handling

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

**Technical measures and storage conditions:** Storage at 4 - 35 °C

**Packaging materials:** Store in original package or in dedicated storage tank.

**Requirements for storage rooms and vessels:** Store in accordance with local and national regulations.

**Further information on storage conditions:** No data available

## 7.3. Specific end use(s)

**Recommendations:** See our technical data sheet.

**Industrial sector specific solutions:** See our technical data sheet.

**Exposure scenario(s):** Exposure scenario is not yet available.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### In Europe

Components	EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure Limit Values - STELs	EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure Limit Values - TWAs	EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure Limit Values - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed

Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

Components	EU - Occupational Exposure (2006/15/EC) - Second List of Indicative Occupational Exposure Limit Values - STELs	EU - Occupational Exposure (2006/15/EC) - Second List of Indicative Occupational Exposure Limit Values - TWAs	EU - Occupational Exposure (2006/15/EC) - Second List of Indicative Occupational Exposure Limit Values - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

Components	EU - Occupational Exposure (2009/161/EU) - Third List of Indicative Occupational Exposure Limit Values - STELs	EU - Occupational Exposure (2009/161/EU) - Third List of Indicative Occupational Exposure Limit Values - TWAs	EU - Occupational Exposure (2009/161/EU) - Third List of Indicative Occupational Exposure Limit Values - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

## In Austria

Components	Austria - Occupational Exposure Limits - Carcinogens	Austria - Occupational Exposure Limits - Ceilings - (MAKs)	Austria - Occupational Exposure Limits - Photosensitizers
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

Components	Austria - Occupational Exposure Limits - Respiratory Sensitizers	Austria - Occupational Exposure Limits - Sensitizers	Austria - Occupational Exposure Limits - Skin Sensitizers
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Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

Components	Austria - Occupational Exposure Limits - STELs - (MAK-KZWs)	Austria - Occupational Exposure Limits - TWAs - (MAK-TMWs)	Austria - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	4 mg/m <sup>3</sup> 4 X 15 min	1 mg/m <sup>3</sup>	skin notation

Components	Austria - Technical Exposure Limits - STELs (TRK-KZW)	Austria - Technical Exposure Limits - TWAs - (TRK-TMWs)
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed

## In Belgium

Components	Belgium - Occupational Exposure Limits - Asphyxiants	Belgium - Occupational Exposure Limits - Carcinogen Designations	Belgium - Occupational Exposure Limits - Protection of Maternity
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

Components	Belgium - Occupational Exposure Limits - STELs	Belgium - Occupational Exposure Limits - TWAs	Belgium - Occupational Exposure Limits - Skin Designations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Bulgaria

Components	Bulgaria - Occupational Exposure Limits - Biological Exposure Limits	Bulgaria - Occupational Exposure Limits - Prohibited Substances
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed

Components	Bulgaria - Occupational Exposure Limits - STELs	Bulgaria - Occupational Exposure Limits - TWAs	Bulgaria - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In the Czech Republic

Components	Czech Republic - Occupational Exposure Limits - Sensitizers	Czech Republic - Occupational Exposure Limits - Substances with Potential Chronic Health Effects
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed



Mineral oil Mixture*	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed

Components	Czech Republic - Occupational Exposure Limits - TWAs	Czech Republic - Occupational Exposure Limits - Ceilings	Czech Republic - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	5 mg/m <sup>3</sup>	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Denmark

Components	Denmark - Occupational Exposure Limits - STELs	Denmark - Occupational Exposure Limits - TWAs	Denmark - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	1 mg/m <sup>3</sup>	Potential for cutaneous absorption

Components	Denmark - Occupational Exposure Limits - List of Organic Solvents - Tentative Limit Values	Denmark - Occupational Exposure Limits - List of Organic Solvents with TWA Values	Denmark - Occupational Exposure Limits - List of Substances Considered Carcinogenic
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Finland

Components	Finland - Occupational Exposure Limits - STELs	Finland - Occupational Exposure Limits - TWAs	Finland - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed

1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

## In France

Components	France - Occupational Exposure Limits - STELs (VLCT)	France - Occupational Exposure Limits - TWAs (VME)	France - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

Components	France - Occupational Exposure Limits - Carcinogens	France - Occupational Exposure Limits - Mutagens	France - Occupational Exposure Limits - Reproductive Toxins
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

Components	France - Occupational Exposure Limits - Sensitizers	France - Occupational Exposure Limits - Respiratory Sensitizers	France - Occupational Exposure Limits - Skin Sensitizers
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

## In Germany

Components	Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	Germany - TRGS 900 - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	1 mg/m <sup>3</sup>	skin notation

Components	Germany - TRGS 900 - Respiratory System Sensitizers	Germany - TRGS 900 - Skin Sensitizers
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed

## In Hungary

Components	Hungary - Occupational Exposure Limits - STELs (CKs)	Hungary - Occupational Exposure Limits - TWAs (AKs)	Hungary - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

Components	Hungary - Occupational Exposure Limits - Carcinogens	Hungary - Occupational Exposure Limits - Sensitizers
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed

Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed
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### In Italy

Components	Italy - Occupational Exposure Limits - STELs	Italy - Occupational Exposure Limits - TWAs	Italy - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

Components	Italy - Recommended Exposure Limits Based on ACGIH TLVs - Short Term Exposure Limit (STEL)	Italy - Recommended Exposure Limits Based on ACGIH TLVs - Time Weighted Averages (TWA)	Italy - Recommended Exposure Limits Based on ACGIH TLVs - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	Not listed	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Latvia

Components	Latvia - Occupational Exposure Limits - STELs	Latvia - Occupational Exposure Limits - TWAs	Latvia - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Lithuania

Components	Lithuania - Occupational Exposure Limits - STELs (TPRDs)	Lithuania - Occupational Exposure Limits - TWAs (IPRDs)	Lithuania - Occupational Exposure Limits - Skin Notations
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Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Luxembourg

Components	Luxembourg - Occupational Exposure Limits - STELs	Luxembourg - Occupational Exposure Limits - TWAs	Luxembourg - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In the Netherlands

Components	Netherlands - Occupational Exposure Limits - STELs	Netherlands - Occupational Exposure Limits - TWAs	Netherlands - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Norway

Components	Norway - Occupational Exposure Limits - STELs	Norway - Occupational Exposure Limits - TWAs	Norway - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed

3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Poland

Components	Poland - Occupational Exposure Limits - STELs (NDSChs)	Poland - Occupational Exposure Limits - TWAs (NDSs)	Poland - Occupational Exposure Limits - Ceiling Limits (NDSPs)
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Portugal

Components	Portugal - Occupational Exposure Limits - STELs (VLE-CDs)	Portugal - Occupational Exposure Limits - TWAs (VLE-MPs)	Portugal - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

### In Romania

Components	Romania - Occupational Exposure Limits - STELs	Romania - Occupational Exposure Limits - TWAs	Romania - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

## In the Slovak Republic

Components	Slovak Republic - Threshold Limit Values - STELs	Slovak Republic - Threshold Limit Values - TWAs	Slovak Republic - Threshold Limit Values - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

## In Slovenia

Components	Slovenia - Occupational Exposure Limits - STELs	Slovenia - Occupational Exposure Limits - TWAs	Slovenia - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	4 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	Potential for cutaneous absorption

## In Spain

Components	Spain - Occupational Exposure Limits - STELs (VLA-ECs)	Spain - Occupational Exposure Limits - TWAs (VLA-EDs)	Spain - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

## In Sweden

Components	Sweden - Occupational Exposure Limits - STELs (STVs)	Sweden - Occupational Exposure Limits - TLVs (LLVs)	Sweden - Occupational Exposure Limits - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed

1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

## In the United Kingdom

Components	United Kingdom - Workplace Exposure Limits (WELs) - STELs	United Kingdom - Workplace Exposure Limits (WELs) - TWAs	United Kingdom - Workplace Exposure Limits (WELs) - Skin Notations
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Not listed	5 mg/m <sup>3</sup>	Not listed
1-Phenoxypropan-2-ol 770-35-4	Not listed	Not listed	Not listed
Sulfonic acids, petroleum, sodium salts 68608-26-4	Not listed	Not listed	Not listed
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	Not listed	Not listed	Not listed
Mineral oil Mixture*	Not listed	Not listed	Not listed
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	Not listed	Not listed	Not listed

## 8.2. Exposure controls

### 8.2.1 Appropriate engineering controls:

#### Technical measures to prevent exposure:

Ensure adequate ventilation, especially in confined areas

### 8.2.2 Personal protection equipment:

#### 8.2.2.1 Eye and face protection:

The use of safety glasses is recommended.

#### 8.2.2.2 Skin protection:

##### Hand protection:

The use of chemical resistant gloves is recommended.

##### Other skin protection:

The use of long sleeved protective clothing is recommended.

#### 8.2.2.3 Respiratory protection:

Adequate ventilation is recommended.

#### 8.2.2.4 Thermal hazards:

Product represents no thermal hazards.

### 8.2.3 Environmental exposure controls:



### Technical measures to prevent exposure:

Do not flush into surface water or sanitary sewer system

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### a) Appearance

*Colour:* Light amber

*Physical state:* Liquid

#### b) Odour

Characteristic

#### c) Odour threshold

Mild odour

#### d) pH

9.9

#### e) Melting point / freezing point (°C)

No data available

#### f) Initial boiling point and boiling range (°C)

100

#### g) Flash point (°C)

Not applicable - boils at 100°C (product contains water)

#### h) Evaporation rate (BuAc = 1)

No data available

#### i) Flammability (solid, gas)

No data available

#### j) Upper/lower flammability or explosive limits

No data available

#### k) Vapour pressure (kPa)

No data available

#### l) Vapour density (air=1)

No data available

#### m) Relative density (g/cm<sup>3</sup>)

0.973

*at (°C)* 35

#### n) Solubility(ies)

*in water* Emulsifiable

#### o) Partition coefficient: n-octanol/water

No data available

#### p) Auto-ignition temperature (°C)

No data available

#### q) Decomposition temperature (°C)

No data available

#### r) Viscosity (mm<sup>2</sup>/s)

40

*at (°C)* 40

#### s) Explosive properties

Product is not explosive.

#### t) Oxidising properties

Product is not an oxidiser.

### 9.2. Other information

#### a) Pourpoint (°C)

<0

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended storage conditions

### 10.2. Chemical stability

Stable under recommended storage conditions

### 10.3. Possibility of hazardous reactions

Stable under recommended storage conditions

### 10.4. Conditions to avoid

None known

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

None under normal use

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

##### Product data:

ATEmix - Oral (mg/kg): >2000  
ATEmix - Dermal (mg/kg): >2000  
ATEmix - Inhalation (mg/l/4 h - vapours): >20

##### Component data:

Components	LD50 - Oral, Rat (mg/kg)	LD50 - Dermal, Rabbit (mg/kg)	LC50 - Inhalation, Rat, 4h (mg/l)
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	>2000	No data available	>5.53
1-Phenoxypropan-2-ol 770-35-4	>2000	>2000	>5.4
Sulfonic acids, petroleum, sodium salts 68608-26-4	>2000	>2000	>20
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	900	No data available	2
Mineral oil Mixture*	>2000	>2000	No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	1208	1800	>2 - 20

#### Skin corrosion/irritation

##### Product data:

Results: No data available

**Component data:**

Components	Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7						No data available
1-Phenoxypropan-2-ol 770-35-4						No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4						No data available
3,3'-Methylenebis[5-methylxazolidine] 66204-44-2						No data available
Mineral oil Mixture*						No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2						No data available

**Serious eye damage/irritation****Product data:****Results:** No data available**Component data:**

Components	Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7						No data available
1-Phenoxypropan-2-ol 770-35-4						No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4						No data available
3,3'-Methylenebis[5-methylxazolidine] 66204-44-2						No data available
Mineral oil Mixture*						No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2						No data available

**Respiratory or skin sensitisation****Product data:****Results:** No data available**Component data:**

Components	Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7						No data available

1-Phenoxypropan-2-ol 770-35-4						No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4						No data available
3,3'-Methylenebis[5-methyl oxazolidine] 66204-44-2						No data available
Mineral oil Mixture*						No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2						No data available

### Germ cell mutagenicity

**Product data:**

**Results:** No data available

**Component data:**

Components	Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7						No data available
1-Phenoxypropan-2-ol 770-35-4						No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4						No data available
3,3'-Methylenebis[5-methyl oxazolidine] 66204-44-2						No data available
Mineral oil Mixture*						No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2						No data available

### Carcinogenicity

**Product data:**

**Results:** No data available

**Component data:**

Components	Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7						No data available
1-Phenoxypropan-2-ol 770-35-4						No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4						No data available
3,3'-Methylenebis[5-methyl oxazolidine] 66204-44-2						No data available

Mineral oil Mixture*						No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2						No data available

### Reproductive toxicity

#### Product data:

**Results:** No data available

#### Component data:

Components	Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7						No data available
1-Phenoxypropan-2-ol 770-35-4						No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4						No data available
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2						No data available
Mineral oil Mixture*						No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2						No data available

### Summary of evaluation of the CMR properties

#### Product data:

**Results:** No data available

### STOT - single exposure

#### Product data:

**Results:** No data available

#### Component data:

Components	Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7						No data available
1-Phenoxypropan-2-ol 770-35-4						No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4						No data available
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2						No data available

Mineral oil Mixture*						No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2						No data available

### STOT - repeated exposure

**Product data:**

**Results:** No data available

**Component data:**

Components	Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7						No data available
1-Phenoxypropan-2-ol 770-35-4						No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4						No data available
3,3'-Methylenebis[5-methylxazolidine] 66204-44-2						No data available
Mineral oil Mixture*						No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2						No data available

### Aspiration hazard

**Product data:**

**Results:** No data available

**Component data:**

Components	Method	Species	Routes of exposure	Effective Dose	Exposure time	Results
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7						No data available
1-Phenoxypropan-2-ol 770-35-4						No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4						No data available
3,3'-Methylenebis[5-methylxazolidine] 66204-44-2						No data available
Mineral oil Mixture*						No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2						No data available

## SECTION 12: Ecological information

## 12.1 Toxicity

### Acute (short-term) toxicity

#### Product data:

LC50 (Fish - 96h):	10 - 100 mg/l
EC50 (Water Flea - 48h):	10 - 100 mg/l
IC50 (Algae - 72h):	10 - 100 mg/l

#### Component data:

Components	LC50 (Fish - 96h)	EC50 (Water Flea - 48h)	IC50 (Algae - 72h)
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	>100 mg/l	>100 mg/l	>100 mg/l
1-Phenoxypropan-2-ol 770-35-4	>100 mg/l (Pimephales promelas)	>100 mg/l (Daphnia magna)	>100 mg/l (Desmodesmus subspicatus)
Sulfonic acids, petroleum, sodium salts 68608-26-4	>100 mg/l	>100 mg/l	>100 mg/l
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	57.7 mg/l (Brachydanio rerio)	37.9 mg/l (Daphnia magna)	5.7 mg/l (Desmodesmus subspicatus)
Mineral oil Mixture*	>100 mg/l	>100 mg/l	>100 mg/l
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	0.00264 mg/l (Oncorhynchus mykiss)	0.0088 mg/l (Daphnia magna)	0.46 mg/l (Selenastrum capricornutum)

### Chronic (long-term) toxicity

#### Product data:

LC50 (Fish - 96h):	10 - 100 mg/l
EC50 (Water Flea - 48h):	10 - 100 mg/l
IC50 (Algae - 72h):	10 - 100 mg/l

Biodegradation: No data available

Partition coefficient n-octanol /water (log Kow): No data available

(log Kow):

Bioconcentration factor (BCF): No data available

#### Component data:

Components	LC50 (Fish - 96h)	EC50 (Water Flea - 48h)	IC50 (Algae - 72h)
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	>100 mg/l	>100 mg/l	>100 mg/l
1-Phenoxypropan-2-ol 770-35-4	>100 mg/l (Pimephales promelas)	>100 mg/l (Daphnia magna)	>100 mg/l (Desmodesmus subspicatus)
Sulfonic acids, petroleum, sodium salts 68608-26-4	>100 mg/l	>100 mg/l	>100 mg/l
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	57.7 mg/l (Brachydanio rerio)	37.9 mg/l (Daphnia magna)	5.7 mg/l (Desmodesmus subspicatus)
Mineral oil Mixture*	>100 mg/l	>100 mg/l	>100 mg/l
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	0.00264 mg/l (Oncorhynchus mykiss)	0.0088 mg/l (Daphnia magna)	0.46 mg/l (Selenastrum capricornutum)

Components	Biodegradation	Partition coefficient n-octanol /water (log Kow)	Bioconcentration factor (BCF)

Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	No data available	No data available	No data available
1-Phenoxypropan-2-ol 770-35-4	No data available	No data available	No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4	No data available	No data available	No data available
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	No data available	-0.3	No data available
Mineral oil Mixture*	No data available	No data available	No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	No data available	-2.64	No data available

## 12.2 Persistence and degradability

### Product data:

**Abiotic Degradation:** No data available

**Physical- and photo-chemical elimination:** No data available

**Biodegradation:** No data available

### Component data:

Components	Abiotic Degradation	Physical- and photo-chemical elimination	Biodegradation
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	No data available	No data available	No data available
1-Phenoxypropan-2-ol 770-35-4	No data available	No data available	No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4	No data available	No data available	No data available
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	No data available	No data available	No data available
Mineral oil Mixture*	No data available	No data available	No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	No data available	No data available	No data available

## 12.3 Bioaccumulative potential

### Product data:

**Partition coefficient n-octanol /water (log Kow):** No data available

**Bioconcentration factor (BCF):** No data available

### Component data:

Components	Partition coefficient n-octanol /water (log Kow)	Bioconcentration factor (BCF)
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	No data available	No data available
1-Phenoxypropan-2-ol 770-35-4	No data available	No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4	No data available	No data available
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	-0.3	No data available



Mineral oil Mixture*	No data available	No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	-2.64	No data available

## 12.4 Mobility in soil

### Product data:

**Known or predicted distribution to environmental compartments:** No data available

**Surface tension:** No data available

### Component data:

Components	Known or predicted distribution to environmental compartments	Surface tension
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	No data available	No data available
1-Phenoxypropan-2-ol 770-35-4	No data available	No data available
Sulfonic acids, petroleum, sodium salts 68608-26-4	No data available	No data available
3,3'-Methylenebis[5-methyloxazolidine] 66204-44-2	No data available	No data available
Mineral oil Mixture*	No data available	No data available
Pyridine-2-thiol 1-oxide, sodium salt 3811-73-2	No data available	No data available

## 12.5 Results of PBT and vPvB assessment

No data available

## 12.6 Other adverse effects

No data available

## 12.7 Additional information

No data available

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

**Product / Packaging disposal:**

### Packaging data:

**Recycling:** Use a European return program for empty packaging. For example: [ncg-europe.com](http://ncg-europe.com).

### Product data:

**Waste codes / waste designations according to LoW:**

**As delivered:** 12 01 07\*  
**Used:** No data available

## SECTION 14: Transport information

### 14.1. UN number

Not regulated

### 14.2. UN proper shipping name

Not regulated

### 14.3. Transport hazard class(es)

Not regulated

### 14.4. Packing group

Not regulated

### 14.5. Environmental hazards

Not regulated

### 14.6. Special precautions for user

Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not regulated

## SECTION 15: Regulatory information

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

#### EU regulations

#### Authorisations and/or restrictions on use

#### Authorisations:

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 1999/45/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

#### ANNEX XIV - LIST OF SUBSTANCES SUBJECT TO AUTHORISATION

Product does not contain components as mentioned in this ANNEX.

#### Restrictions on use:

**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 1999/45/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**

**ANNEX XIII - CRITERIA FOR THE IDENTIFICATION OF PERSISTENT, BIOACCUMULATIVE AND TOXIC SUBSTANCES, AND VERY PERSISTENT AND VERY BIOACCUMULATIVE SUBSTANCES**

Product does not contain components as mentioned in this ANNEX.

**ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

Product does not contain components as mentioned in this ANNEX.

Components	EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Use restricted. See item 28.

**Other EU regulations**

**REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents**

Product is not subject to this regulation.

**REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals**

Product does not contain components as mentioned in this regulation.

**COUNCIL REGULATION (EC) No 111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Product does not contain components as mentioned in this regulation.

**REGULATION (EC) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer**

Product does not contain components as mentioned in this regulation.

**REGULATION (EU) No 98/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 15 January 2013 on the marketing and use of explosives precursors**

Product does not contain components as mentioned in this regulation.

**Commission Decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste (notified under document number C(2000) 1147) (Text with EEA relevance) (2000/532/EC)**

**Waste codes / waste designations according to LoW:**

As delivered: 12 01 07\*

**COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items**

Product does not contain components as mentioned in this regulation.

## National regulations

### In Austria

#### Component data:

Components	Austria - Prohibited Chemicals - Carcinogens	Austria - Prohibited Chemicals - Mutagens	Austria - Prohibited chemicals - Reproductive Toxins
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Category 2 Carcinogen		

### In Belgium

#### Component data:

### In the Czech Republic

#### Product data:

ACT 350 of 27 October 2011 on chemical substances and mixtures and amending certain Acts

### In Denmark

#### Component data:

### In Finland

#### Component data:

### In France

#### Product data:

Tableaux de maladies professionnelles: 36, 84

#### Component data:

Components	France - Occupational Illnesses
1-Phenoxypropan-2-ol 770-35-4	RG 84
Mineral oil Mixture*	36

### In Germany

**Product data:**

**Water hazard classes (Wassergefährdungsklassen):** 1 (S)

**Component data:**

**In Italy**

disposizioni di normativa vigente: limite di soglia (LTV) ed indicatori biologici di esposizione (IBE) ACGIH 2001  
Protezione dei lavoratori contro i rischi derivanti dall'esposizione ad agenti chimici, fisici e biologici durante il lavoro (DL212 del 30/07/90)

Norme generali per l'igiene sul lavoro (DPR 303 del 19/3/56)

Regolamenti e tabelle sulle malattie professionali nell'industria (DPR 336 del 13/04/94)

D.Lgs. 81/2008 del 9 Aprile 2008 e successive modifiche

Rischi incidenti rilevanti (Seveso bis - DL 334/99)

Norme sugli scarichi (DM 51 del 12/7/90)

Norme sull'inquinamento o atmosferico (DPR del 12/7/90 e del 25/7/91)

Norme per la tutela della acque (DL 152 del 11/5/99)

Norme sullo smaltimento e sul trasporto dei rifiuti pericolosi (DL 22/97 e 389/97)

Norme sul trasporto via terra ADR/RID (recepimento dir. CE 94/55): DM del 04/09/96 e attuazioni

Testo unico su classificazione, imballaggio ed etichettatura sostanza pericolose con recepimento fino alla Direttiva 2004/73/CE (29° adeguamento al progresso tecnico della direttiva 67/548/CE)

Norme per la compilazione della Scheda di Sicurezza con recepimento della direttiva 2001/58/EC

**In Latvia**

**Component data:**

Components	Latvia - List of Carcinogenic Chemical Compounds
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7	Category 2 Carcinogen

**In the Netherlands**

**Product data:**

**De Algemene Beoordelingsmethodiek Water:** { 11} Weinig schadelijk voor in water levende organismen.  
**Saneringsinspanning:** B

**Component data:**

**In Poland**

**Product data:**

The 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 1999/45/EC of the trades and repealing the trades the Regulation repealing Council Regulation (EEC) nr 793/93the regulation lation (EC) nr 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, as amended Regulation of the European Parliament and of the Council (EC) nr 1272/2008 on classification, labeling and packaging of substances and mixtures, amending and repealing the Directives 1999/45/EC, Directive 67/548/EEC and amending the Regulation (EC) nr 1907/2006, with changes.Ordinance of the Minister of Health of 30 December 2004 on safety and health relationship are tied to the existence of chemical agents (Dz.U.2005nr11poz.86), as amended.The Act of 25 February 2011 chemical substances and mixtures (Dz.U.2011nr63poz.322)Ordinance of the Minister of Health of 20 April 2012 on the labeling of chemical substances and mixtures, and certain mixtures (Dz.U.2012nr0poz.445)Ordinance of the Minister of Labour and Social Policy of 29 November 2002 on maximum permissible concentration assumptions Nate assumptions of harmful factors in the working environment (Dz.U.2002nr217poz.1833), as amendedThe Act of 27 April 2001 r.o waste (Dz.U.2001 No. 62 item 628).Ordinance of the Minister of Environment of 27 September 2001. on waste (Dz.U.Nr112, item 1206).Regulation (EU) No 453/2010 of 20 May 2010 amending the CYM The 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)

## In Portugal

### Component data:

## In Sweden

### Product data:

Kemikalieinspektionens föreskrifter (KIFS 2005:7) om klassificering och märkning av kemiska produkterKemikalieinspektionens föreskrifter (KIFS 2008:2) om kemiska produkter och biotekniska organismer

### Component data:

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

### Indication of changes

<b>Version:</b>	4
<b>Revision date:</b>	12/21/2015
<b>Reason for revision:</b>	This data sheet contains changes from the previous version in section(s) 2.
<b>Print date:</b>	12/21/2015

### Abbreviations and acronyms

CLP - Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
REACH - Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals

## Key literature references and sources for data

### Compilation of safety data sheet:

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 1999/45/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

### Amended by:

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) (Text with EEA relevance)

Classification procedure:                      Calculation method

### Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed  
H304 - May be fatal if swallowed and enters airways  
H312 - Harmful in contact with skin  
H314 - Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

### Training advice

The information contained in this safety data sheet must be available to the professional user. The professional user of this product must be adequately informed about the possible hazards of this product. The professional user of this product must be adequately trained in the safe handling and use of chemical products.

### Further information

#### Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. Quaker Chemical Corporation ("Quaker") assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of Quaker.