SAFETY DATA SHEET

n-Octyl Mercaptan

Version 2.8  Revision Date 2018-10-01


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

1.1

Product information

Product Name : n-Octyl Mercaptan
Material : 1115893, 1086427, 1092079, 1089361, 1086426, 1021507, 1021501, 1021505, 1021503, 1021502, 1021508, 1021506, 1021504, 1024813, 1026777, 1036311, 1021509, 1035162, 1024812, 1033723

EC No. Registration number

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No. EC-No.</th>
<th>Legal Entity Registration number</th>
</tr>
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<tbody>
<tr>
<td>n-Octyl Mercaptan</td>
<td>111-88-6</td>
<td>Chevron Phillips Chemicals International NV 01-2119491315-37-0000</td>
</tr>
<tr>
<td></td>
<td>203-918-1</td>
<td></td>
</tr>
</tbody>
</table>

1.2

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

Relevant Identified Uses Supported : Intermediate: The substance is registered as a Transported Isolated Intermediate with Strictly Controlled Conditions (SCC) defined in Article 18(4) of Regulation EC No. 1907/2006 and must therefore be handled as such.

1.3

Details of the supplier of the safety data sheet

Company : Chevron Phillips Chemical Company LP
Specialty Chemicals
10001 Six Pines Drive
The Woodlands, TX 77380

Local : Chevron Phillips Chemicals International N.V.
Airport Plaza (Stockholm Building)
Leonardo Da Vinci Laan 19
1831 Diegem
Belgium

SDS Requests: (800) 852-5530

SDS Number: 100000013889 1/15
SAFETY DATA SHEET

n-Octyl Mercaptan
Version 2.8

Technical Information: (832) 813-4862
Responsible Party: Product Safety Group
Email: sds@cpchem.com

1.4 Emergency telephone:

Health:
866.442.9628 (North America)
1.832.813.4984 (International)

Transport:
CHEMTREC 800.424.9300 or 703.527.3887 (int'l)
Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090
EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
Mexico CHEMTREC 01-800-681-9531 (24 hours)
South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600
Argentina: +(54)-1159839431

Responsible Department: Product Safety and Toxicology Group
E-mail address: SDS@CPChem.com
Website: www.CPChem.com

SECTION 2: Hazards identification

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

Skin sensitization, Category 1
H317: May cause an allergic skin reaction.

Short-term (acute) aquatic hazard,
Category 1
H400: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard,
Category 1
H410: Very toxic to aquatic life with long lasting effects.

2.2 Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms:
![Warning]

Signal Word: Warning

Hazard Statements:
H317: May cause an allergic skin reaction.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves.

Response:
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
n-Octyl Mercaptan

Version 2.8

Revision Date 2018-10-01

P391 Collect spillage.

Hazardous ingredients which must be listed on the label:

- 111-88-6 n-Octyl Mercaptan

SECTION 3: Composition/information on ingredients

3.1 - 3.2 Substance or Mixture

Synonyms

- 1-Octanethiol
- normal-Octyl mercaptan
- NOM
- NC8SH

Molecular formula: C8H18S

Hazardous ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Classification (REGULATION (EC) No 1272/2008)</th>
<th>Concentration [wt%]</th>
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<tbody>
<tr>
<td>n-Octyl Mercaptan</td>
<td>111-88-6</td>
<td>Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410</td>
<td>98.5 - 100</td>
</tr>
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<td>203-918-1</td>
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<td></td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice: Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.

If inhaled: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact: If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed: Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
### SECTION 5: Firefighting measures

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>69 - 71 °C (156 - 160 °F) at 101,325 kPa Method: EU Method A.9</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 5.1 Extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Carbon dioxide (CO2).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable extinguishing media</td>
<td>High volume water jet.</td>
</tr>
</tbody>
</table>

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

| Specific hazards during firefighting  | Do not allow run-off from fire fighting to enter drains or water courses. |

#### 5.3 Advice for firefighters

| Special protective equipment for fire-fighters | Wear self-contained breathing apparatus for firefighting if necessary. |
| Further information                         | Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers. |
| Fire and explosion protection               | Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition. |
| Hazardous decomposition products           | Carbon oxides. Sulfur oxides.                                               |

### SECTION 6: Accidental release measures

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

| Personal precautions | Use personal protective equipment. Ensure adequate ventilation. |

#### 6.2 Environmental precautions

| Environmental precautions | Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. |

#### 6.3 Methods and materials for containment and cleaning up

| Methods for cleaning up | Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, |

SDS Number: 100000013889
n-Octyl Mercaptan

Version 2.8

Reference to other sections

Reference to other sections: For personal protection see section 8. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling

Advice on safe handling: Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion: Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements for storage areas and containers: No smoking. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8: Exposure controls/personal protection

8.2 Exposure controls

Engineering measures

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment
n-Octyl Mercaptan

Respiratory protection: Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as: Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

Hand protection: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection: Eye wash bottle with pure water. Tightly fitting safety goggles.

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. Wear as appropriate: Flame retardant protective clothing. Remove and wash contaminated clothing before re-use. Skin should be washed after contact. Footwear protecting against chemicals.

Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

In case of an accident during maintenance/cleaning, this substance must be handled under Strictly Controlled Conditions (SCC) in accordance with REACH regulation Article 18(4) for transported isolated intermediates.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
Form: Liquid
Physical state: Liquid
Color: Colorless
Odor: Pungent

Safety data
Flash point: 69 - 71 °C (156 - 160 °F) at 101,325 kPa
   Method: EU Method A.9
Lower explosion limit: No data available
Upper explosion limit: No data available
Oxidizing properties: No
n-Octyl Mercaptan

**Autoignition temperature**: No data available

**Molecular formula**: C8H18S

**Molecular weight**: 146.32 g/mol

**pH**: Not applicable

**Pour point**: No data available

**Boiling point/boiling range**: 199 °C (390 °F)

**Vapor pressure**: 0.02 PSI
  at 37.8 °C (100.0 °F)

**Relative density**: 0.85
  at 16 °C (61 °F)

**Water solubility**: Negligible

**Partition coefficient: n-octanol/water**: No data available

**Viscosity, kinematic**: 1.04 mm²/s
  at 40 °C (104 °F)

**Relative vapor density**: 1
  (Air = 1.0)

**Evaporation rate**: No data available

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**: Stable under recommended storage conditions.

**10.2 Chemical stability**: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**10.3 Possibility of hazardous reactions**

**Hazardous reactions**: Hazardous reactions: Hazardous polymerization does not occur.

Further information: No decomposition if stored and applied as directed.

Hazardous reactions: Vapors may form explosive mixture with...
n-Octyl Mercaptan

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity
n-Octyl Mercaptan: LD50: 2.436 mg/kg
Species: Rat
Sex: male and female
Method: Fixed Dose Method

Acute inhalation toxicity
n-Octyl Mercaptan: LC50: > 0.24 mg/l
Exposure time: 4 h
Species: Rat
Sex: male and female
Test atmosphere: vapor
Method: OECD Test Guideline 403
An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity
n-Octyl Mercaptan: LD50: > 1.680 mg/kg
Species: Rat
Sex: male and female
Method: OECD Test Guideline 402

n-Octyl Mercaptan
Skin irritation: May cause skin irritation and/or dermatitis.

n-Octyl Mercaptan
Eye irritation: Vapors may cause irritation to the eyes, respiratory system and the skin.

n-Octyl Mercaptan
Sensitization: Causes sensitization.

Repeated dose toxicity
n-Octyl Mercaptan

**Genotoxicity in vitro**

n-Octyl Mercaptan:
- Test Type: Reverse mutation assay
  - Metabolic activation: with and without metabolic activation
  - Method: Mutagenicity (Escherichia coli - reverse mutation assay)
  - Result: negative
- Test Type: Chromosome aberration test in vitro
  - Test system: Human lymphocytes
  - Metabolic activation: with and without metabolic activation
  - Result: negative
- Test Type: Sister chromatid exchange
  - Metabolic activation: with and without metabolic activation
  - Result: negative

**Genotoxicity in vivo**

n-Octyl Mercaptan:
- Test Type: Micronucleus test
  - Species: Mouse
  - Method: Mutagenicity (micronucleus test)
  - Result: negative

**Reproductive toxicity**

n-Octyl Mercaptan:
- Species: Rat
  - Sex: male
  - Application Route: Oral diet
  - Dose: 0, 10, 50, 250 mg/kg
  - Exposure time: 35 D
  - Number of exposures: once daily
  - Method: OECD Guideline 422
  - NOAEL Parent: 250 mg/kg
  - NOAEL F1: 250 mg/kg
n-Octyl Mercaptan

Species: Rat
Sex: female
Application Route: Oral diet
Dose: 0, 10, 50, 250 mg/kg
Number of exposures: once daily
Method: OECD Guideline 422
NOAEL Parent: 50 mg/kg
NOAEL F1: 250 mg/kg

Developmental Toxicity

n-Octyl Mercaptan
Species: Rat
Application Route: Oral diet
Dose: 0, 10, 50, 250 mg/kg
Number of exposures: once daily
NOAEL Teratogenicity: 250 mg/kg

Aspiration toxicity
n-Octyl Mercaptan
May be harmful if swallowed and enters airways.

CMR effects
n-Octyl Mercaptan
Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Teratogenicity: Animal testing did not show any effects on fetal development.
Reproductive toxicity: Animal testing did not show any effects on fertility.

Further information
Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
n-Octyl Mercaptan
LC50: 0.326 mg/l
Exposure time: 96 h
Species: Oryzias latipes (Orange-red killifish)
semi-static test Analytical monitoring: yes
Method: OECD Test Guideline 203
Very toxic to fish.

Toxicity to daphnia and other aquatic invertebrates
n-Octyl Mercaptan
0.0243 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Immobilization Analytical monitoring: yes
Method: OECD Test Guideline 202
Very toxic to aquatic organisms.
**Toxicity to algae**

n-Octyl Mercaptan : 0.039 mg/l  
Exposure time: 72 h  
Species: Pseudokirchneriella subcapitata (microalgae)  
semi-static test Analytical monitoring: yes  
Method: OECD Test Guideline 201  
Very toxic to algae.

**M-Factor**  
Octane-1-thiol : M-Factor (Acute Aquat. Tox.) 10

**Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)**

n-Octyl Mercaptan : > 0.00467 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Toxic effects on fish and plankton

**12.2 Persistence and degradability**

Biodegradability  
n-Octyl Mercaptan : Result: Not readily biodegradable.  
0%  
Testing period: 28 Days  
Method: OECD Test Guideline 301  
Information given is based on data obtained from similar substances.

**12.3 Bioaccumulative potential**

Bioaccumulation  
n-Octyl Mercaptan : Bioconcentration factor (BCF): 11.83  
Method: QSAR modeled data

**12.4 Mobility in soil**

Mobility  
n-Octyl Mercaptan : Medium: Soil  
Method: Calculation, Mackay Level III Fugacity Model  
This product may float or sink in water.  
Medium: Water  
Method: Calculation, Mackay Level III Fugacity Model  
This product may float or sink in water.

**12.5 Results of PBT and vPvB assessment**

Results of PBT assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or
n-Octyl Mercaptan

12.6 Other adverse effects

Additional ecological information

Ecotoxicology Assessment

Short-term (acute) aquatic hazard
n-Octyl Mercaptan: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard
n-Octyl Mercaptan: Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The information in this SDS pertains only to the product as shipped. Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

14.1 - 14.7 Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

NA1993, COMBUSTIBLE LIQUID, N.O.S., (N-OCTYL MERCAPTAN), III

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

SDS Number:100000013889 12/15
**n-Octyl Mercaptan**

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTYL MERCAPTAN), 9, III, (69 - 71 °C), MARINE POLLUTANT, (N-OCTYL MERCAPTAN)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTYL MERCAPTAN), 9, III

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTYL MERCAPTAN), 9, III

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTYL MERCAPTAN), 9, III

**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (N-OCTYL MERCAPTAN), 9, III

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

**Other information** : n-Octyl Mercaptan, S.T. 1, Cat. X

**SECTION 15: Regulatory information**

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

National legislation

Water contaminating class : WGK 3 highly water endangering
(Germany)

15.2 **Chemical Safety Assessment**

Components : octane-1-thiol
A Chemical Safety Assessment is not required for this substance.

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Dangerous for the environment 9a
Quantity 1: 100 t
Quantity 2: 200 t
### n-Octyl Mercaptan

**SAFETY DATA SHEET**

**Version 2.8**  
**Revision Date 2018-10-01**

: ZEU_SEVES3  
Update: ENVIRONMENTAL HAZARDS  
E1  
Quantity 1: 100 t  
Quantity 2: 200 t

#### Environmental Hazards

**Notification status**

Europe REACH : On the inventory, or in compliance with the inventory  
United States of America (USA) TSCA : On the inventory, or in compliance with the inventory  
Canada DSL : On the inventory, or in compliance with the inventory  
Australia AICS : On the inventory, or in compliance with the inventory  
New Zealand NZIoC : On the inventory, or in compliance with the inventory  
Japan ENCS : On the inventory, or in compliance with the inventory  
Korea KECI : On the inventory, or in compliance with the inventory  
Philippines PICCS : On the inventory, or in compliance with the inventory  
China IECSC : On the inventory, or in compliance with the inventory

#### SECTION 16: Other information

**NFPA Classification**

: Health Hazard: 2  
Fire Hazard: 2  
Reactivity Hazard: 0

**Further information**

Legacy SDS Number : 76100

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

<table>
<thead>
<tr>
<th>Key or legend to abbreviations and acronyms used in the safety data sheet</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Government Industrial Hygienists</td>
</tr>
<tr>
<td>AICS</td>
<td>Australia, Inventory of Chemical Substances</td>
</tr>
<tr>
<td>DSL</td>
<td>Canada, Domestic Substances List</td>
</tr>
<tr>
<td>NDSL</td>
<td>Canada, Non-Domestic Substances List</td>
</tr>
<tr>
<td>CNS</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstract Service</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose 50%</td>
</tr>
<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Agency</td>
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<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety &amp; Health</td>
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<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
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<tr>
<td>NZIoC</td>
<td>New Zealand Inventory of Chemicals</td>
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**SDS Number:** 100000013889  
14/15
## n-Octyl Mercaptan

<table>
<thead>
<tr>
<th>EC50</th>
<th>Effective Concentration</th>
<th>NOAEL</th>
<th>No Observable Adverse Effect Level</th>
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<td>EC50</td>
<td>Effective Concentration 50%</td>
<td>NOEC</td>
<td>No Observed Effect Concentration</td>
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<td>EGEST</td>
<td>EOSCA Generic Exposure Scenario Tool</td>
<td>OSHA</td>
<td>Occupational Safety &amp; Health Administration</td>
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<td>EOSCA</td>
<td>European Oilfield Specialty Chemicals Association</td>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
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<tr>
<td>EINECS</td>
<td>European Inventory of Existing Chemical Substances</td>
<td>PICCS</td>
<td>Philippines Inventory of Commercial Chemical Substances</td>
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<tr>
<td>MAK</td>
<td>Germany Maximum Concentration Values</td>
<td>PRNT</td>
<td>Presumed Not Toxic</td>
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<tr>
<td>GHS</td>
<td>Globally Harmonized System</td>
<td>RCRA</td>
<td>Resource Conservation Recovery Act</td>
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<tr>
<td>&gt;=</td>
<td>Greater Than or Equal To</td>
<td>STEL</td>
<td>Short-term Exposure Limit</td>
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<tr>
<td>IC50</td>
<td>Inhibition Concentration 50%</td>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act</td>
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<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
<td>TLV</td>
<td>Threshold Limit Value</td>
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<td>Inventory of Existing Chemical Substances in China</td>
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<td>Japan, Inventory of Existing and New Chemical Substances</td>
<td>TSCA</td>
<td>Toxic Substance Control Act</td>
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<td>KECI</td>
<td>Korea, Existing Chemical Inventory</td>
<td>UVCB</td>
<td>Unknown or Variable Composition, Complex Reaction Products, and Biological Materials</td>
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<td>&lt;=</td>
<td>Less Than or Equal To</td>
<td>WHMIS</td>
<td>Workplace Hazardous Materials Information System</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal Concentration 50%</td>
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**Full text of H-Statements referred to under sections 2 and 3.**

H317    May cause an allergic skin reaction.
H400    Very toxic to aquatic life.
H410    Very toxic to aquatic life with long lasting effects.