

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

according to GB/T 16483 and GB/T 17519

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

Product Name : n-Propyl Mercaptan  
Material : 1124518, 1086425, 1086424, 1021446, 1027454, 1021458,  
1021457, 1021456, 1021454, 1021447, 1021455, 1021445,  
1029252, 1021452, 1021453, 1029741  
Use : Odorant  
Uses advised against :  
This material should not be used for purposes other than the  
identified uses in section 1 without expert advice.

**Company** : Chevron Phillips Chemical Company LP  
Specialty Chemicals  
9500 Lakeside Blvd.  
The Woodlands, TX 77381

**Local** : Chevron Phillips Chemicals (Shanghai) Corporation  
Room 1810-1812, Shanghai Mart,  
2299 Yan An Road (W),  
Shanghai, PRC 200336  
Tel: (86-21) 22157200

**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

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

EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)

Belgium: 070 245 245 (24 hours/day, 7 days/week)

Bulgaria: +359 2 9154 233

Croatia: +3851 2348 342 (24 hours/day, 7 days/week)

Cyprus: 1401

Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402

Denmark: Danish Poison Center (Giftlinjen): +45 8212 1212

Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Finland: 0800 147 111 09 471 977 (24 hours/day)

France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week)

Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Greece: (0030) 2107793777 (24 hours/day, 7 days/week)

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

Hungary: +36-80-201-199 (24 hours/day, 7 days/week)  
 Iceland: 543 2222 (24 hours/day, 7 days/week)  
 Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Italy: POISON CENTER MILAN – Azienda Ospedaliera Niguarda Ca` Grande Tel. +39 02 66101029; POISON CENTER ROME – Policlinico “Agostino Gemelli”, Servizio di tossicologia clinica Tel. +39 06 3054343; POISON CENTER ROME – Ospedale Pediatrico Bambino Gesù Tel. +39 06 68593726; POISON CENTER ROME – Policlinico “Umberto I” Tel. +39 06 4997 8000; POISON CENTER FOGGIA – Azienda Ospedaliera Universitaria Riuniti Tel. +39 0881 732326; POISON CENTER NAPLES – Azienda Ospedaliera “Antonio Cardarelli” Tel. +39 081 7472870; POISON CENTER FLORENCE – Azienda Ospedaliera universitaria Careggi Tel. +39 055 7947819; POISON CENTER PAVIA – IRCCS Fondazione Salvatore Maugeri Tel. +39 0382 24444; POISON CENTER BERGAMO – Azienda Ospedaliera “Papa Giovanni XXIII” Tel. 800 883 300; POISON CENTER VERONA – Azienda Ospedaliera Universitaria integrata Tel. 800 011 858;  
 Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.)  
 Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Lithuania: +370 (85) 2362052  
 Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week)  
 Malta: +356 2395 2000  
 The Netherlands: NVIC: +31 (0)88 755 8000  
 Norway: 22 59 13 00 (24 hours/day, 7 days/week)  
 Poland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Portugal: CIAV phone number: +351 800 250 250  
 Romania: +40213183606  
 Slovakia: +421 2 5477 4166  
 Slovenia: Phone number: 112  
 Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week)  
 Sweden: 112 – ask for Poisons Information

Organization that prepared the SDS : Product Safety and Toxicology Group  
 E-mail address : SDS@CPChem.com  
 Website : www.CPChem.com

**SECTION 2: Hazards identification****Classification of the substance or mixture**

**GHS Classification and Labeling: Follow GB 13690, GB 15258 and GB 30000.2 to GB 30000.29 (GHS 2013)**

**Emergency Overview****Danger**

**Form:** liquid    **Physical state:** liquid    **Color:** Clear    **Odor:** Repulsive

**Hazards** : Highly flammable liquid and vapor. Harmful if swallowed. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation. May be harmful if swallowed and enters airways. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

**Classification**

: Flammable liquids, Category 2  
 Acute toxicity, Category 4, Oral  
 Serious eye damage/eye irritation, Category 2A

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09



Skin sensitization, Sub-category 1B  
 Specific target organ toxicity - single exposure, Category 3,  
 respiratory tract irritation  
 Aspiration hazard, Category 2  
 Short-term (acute) aquatic hazard, Category 1  
 Long-term (chronic) aquatic hazard, Category 1

**Labeling**

Symbol(s)

:



Signal Word

: Danger

Hazard Statements

: H225: Highly flammable liquid and vapor.  
 H302: Harmful if swallowed.  
 H305: May be harmful if swallowed and enters airways.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.  
 H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

: **Prevention:**  
 P210: Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
 P233: Keep container tightly closed.  
 P240: Ground/bond container and receiving equipment.  
 P241: Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242: Use only non-sparking tools.  
 P243: Take precautionary measures against static discharge.  
 P261: Avoid breathing mist or vapors.  
 P264: Wash skin thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P271: Use only outdoors or in a well-ventilated area.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/ eye protection/ face protection.  
**Response:**  
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
 P304 + P340 + P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P331: Do NOT induce vomiting.  
 P333 + P313: If skin irritation or rash occurs: Get medical advice/ attention.  
 P337 + P313: If eye irritation persists: Get medical advice/ attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

P370+P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P391: Collect spillage.

**Storage:**

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

P403 + P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

**Disposal:**

P501: Dispose of contents/ container to an approved waste disposal plant.

**SECTION 3: Composition/information on ingredients**

Synonyms : 1-propanethiol  
N-Propyl Mercaptan  
NPM  
Normal Propyl Mercaptan

Molecular formula : C<sub>3</sub>H<sub>8</sub>S

| Chemical name      | CAS-No. / EINECS-No. | Concentration<br>[wt%] |
|--------------------|----------------------|------------------------|
| n-Propyl Mercaptan | 107-03-9             | 98.5 - 100             |

**SECTION 4: 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 : Immediately flush eye(s) with plenty of water. 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. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

**Notes to physician**

Symptoms : No data available.

Risks : No data available.

Treatment : No data available.

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

**SECTION 5: Firefighting measures**

|                                                |                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flash point                                    | : -21°C (-6°F)<br>Method: closed cup                                                                                                                                                                                                                                                                                                                                   |
| Autoignition temperature                       | : No data available                                                                                                                                                                                                                                                                                                                                                    |
| Suitable extinguishing media                   | : Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical.                                                                                                                                                                                                                                                                                                          |
| Unsuitable extinguishing media                 | : High volume water jet.                                                                                                                                                                                                                                                                                                                                               |
| Specific hazards during fire fighting          | : Do not allow run-off from fire fighting to enter drains or water courses.                                                                                                                                                                                                                                                                                            |
| 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 a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.                                                                                        |
| Hazardous decomposition products               | : Sulfur oxides. Carbon oxides.                                                                                                                                                                                                                                                                                                                                        |

**SECTION 6: Accidental release measures**

|                           |                                                                                                                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions      | : Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. |
| 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.                                                     |
| Methods for cleaning up   | : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).       |

**SECTION 7: Handling and storage****Handling**

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

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. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. 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 a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.

**Storage**

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and 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.

Uses advised against : This material should not be used for purposes other than the identified uses in section 1 without expert advice.

Use : Odorant

**SECTION 8: Exposure controls/personal protection**

Not listed

**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**

Respiratory protection : If ventilation or other engineering controls are not adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure, a supplied-air NIOSH approved respirator may be appropriate. If exposure to harmful levels of airborne material may occur, a NIOSH approved respirator that provides protection may be appropriate, such as:. Air-Purifying Respirator for Organic Vapors. A positive pressure, air-

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, 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 work-place. Wear as appropriate:. 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.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**

- Form : liquid
- Physical state : liquid
- Color : Clear
- Odor : Repulsive

**Safety data**

- Flash point : -21°C (-6°F)  
Method: closed cup
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- Oxidizing properties : No
- Autoignition temperature : No data available
- Molecular formula : C<sub>3</sub>H<sub>8</sub>S
- Molecular weight : 76.17 g/mol
- pH : Not applicable
- Pour point : No data available
- Boiling point/boiling range : 68°C (154°F)

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Vapor pressure                         | : 5.10 PSI<br>at 37.8°C (100.0°F) |
| Relative density                       | : 0.847<br>at 15.6 °C (60.1 °F)   |
| Water solubility                       | : negligible                      |
| Partition coefficient: n-octanol/water | : No data available               |
| Viscosity, dynamic                     | : 0.399 cP                        |
| Relative vapor density                 | : 2.62<br>(Air = 1.0)             |
| Percent volatile                       | : > 99 %                          |
| Conductivity                           | : No data available               |

**SECTION 10: Stability and reactivity**

|                                           |                                                                                                                                         |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | : Stable under recommended storage conditions.                                                                                          |
| <b>Chemical stability</b>                 | : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.  |
| <b>Possibility of hazardous reactions</b> |                                                                                                                                         |
| <b>Hazardous reactions</b>                | : Hazardous reactions: Hazardous polymerization does not occur.<br><br>Hazardous reactions: Vapors may form explosive mixture with air. |
| <b>Conditions to avoid</b>                | : Heat, flames and sparks.                                                                                                              |
| <b>Materials to avoid</b>                 | : May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.                                       |
| <b>Hazardous decomposition products</b>   | : Sulfur oxides<br>Carbon oxides                                                                                                        |
| <b>Other data</b>                         | : No decomposition if stored and applied as directed.                                                                                   |

**SECTION 11: Toxicological information**

|                            |                     |
|----------------------------|---------------------|
| <b>Acute oral toxicity</b> |                     |
| n-Propyl Mercaptan         | : LD50: 1,790 mg/kg |

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

Species: Rat  
Sex: male  
Method: OECD Test Guideline 420

**Acute inhalation toxicity**

n-Propyl Mercaptan : LC50: > 5.67 mg/l  
Exposure time: 4 h  
Species: Rat  
Sex: male and female  
Test atmosphere: vapor  
Method: OECD Test Guideline 436  
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-Propyl Mercaptan : LD50: > 2,000 mg/kg  
Species: Rabbit  
Sex: male and female  
Method: OECD Test Guideline 402

**Skin irritation**

n-Propyl Mercaptan : No skin irritation

**Eye irritation**

n-Propyl Mercaptan : Irritating to eyes.  
Causes serious eye irritation.

**Sensitization**

n-Propyl Mercaptan : The product is a skin sensitizer, sub-category 1B.  
  
positive

**Repeated dose toxicity**

n-Propyl Mercaptan : Species: Rat, male and female  
Sex: male and female  
Application Route: Inhalation  
Dose: 9, 97, 196 ppm  
Exposure time: 13 wks  
Number of exposures: 6 hrs/d, 5 d/wk  
NOEL: 196 ppm  
Method: OECD Test Guideline 413  
Information given is based on data obtained from similar substances.

**Genotoxicity in vitro**

n-Propyl Mercaptan : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

Test Type: Cytogenetic assay  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative

Test Type: Mouse lymphoma assay  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
Remarks: Information given is based on data obtained from similar substances.

**n-Propyl Mercaptan  
Aspiration toxicity**

: May be harmful if swallowed and enters airways.

**Sensitization**

n-Propyl Mercaptan : May cause an allergic skin reaction.

**CMR effects**

n-Propyl Mercaptan : Carcinogenicity: Not available  
Mutagenicity: In vitro tests did not show mutagenic effects  
Reproductive toxicity: No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments., No toxicity to reproduction

**n-Propyl Mercaptan  
Further information**

: Solvents may degrease the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Solvents may degrease the skin.

**SECTION 12: Ecological information****Toxicity to fish**

n-Propyl Mercaptan : LC50: 1.3 mg/l  
Exposure time: 96 h  
Species: Pimephales promelas (fathead minnow)  
semi-static test Analytical monitoring: yes  
Test substance: yes  
Method: OECD Test Guideline 203  
Toxic to aquatic organisms.

**Toxicity to daphnia and other aquatic invertebrates**

n-Propyl Mercaptan : EC50: 70 µg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
Analytical monitoring: yes  
Test substance: yes  
Method: OECD Test Guideline 202  
Very toxic to aquatic organisms.

**Toxicity to algae**

n-Propyl Mercaptan : ErC50: 3 mg/l

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

Exposure time: 72 h  
Species: Pseudokirchneriella subcapitata (algae)  
Growth inhibition Method: OECD Test Guideline 201  
Information given is based on data obtained from similar substances.

**M-Factor**

propane-1-thiol

: M-Factor (Acute Aquat. Tox.) 10

M-Factor (Chron. Aquat. Tox.) 10

**Toxicity to bacteria**

n-Propyl Mercaptan

: EC50: 880.5 mg/l  
Exposure time: 3 h  
Respiration inhibition  
Method: OECD Test Guideline 209  
Information given is based on data obtained from similar substances.

**Biodegradability**

n-Propyl Mercaptan

: aerobic  
Result: Not readily biodegradable.  
17 %  
Testing period: 28 Days  
Method: OECD Test Guideline 301

**Bioaccumulation**

n-Propyl Mercaptan

: Bioconcentration factor (BCF): 7.26  
This material is not expected to bioaccumulate.

**Mobility**

n-Propyl Mercaptan

: Method: Calculation, Mackay Level III Fugacity Model  
The product will be dispersed amongst the various environmental compartments (soil/ water/ air).

**Results of PBT assessment**

n-Propyl Mercaptan

: Non-classified PBT substance, Non-classified vPvB substance

Additional ecological  
information

: Very toxic to aquatic life with long lasting effects.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

**Ecotoxicology Assessment**

Short-term (acute) aquatic hazard

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

n-Propyl Mercaptan : Very toxic to aquatic life.

Long-term (chronic) aquatic hazard

n-Propyl Mercaptan : Very toxic to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations**

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**

**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)**

UN2402, PROPANETHIOLS, 3, II

**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**

UN2402, PROPANETHIOLS, 3, II, (-21 °C c.c.), MARINE POLLUTANT, (N-PROPYL MERCAPTAN)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

UN2402, PROPANETHIOLS, 3, II

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**

UN2402, PROPANETHIOLS, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS, (N-PROPYL MERCAPTAN)

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

33, UN2402, PROPANETHIOLS, 3, II, ENVIRONMENTALLY HAZARDOUS, (N-PROPYL MERCAPTAN)

**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**

UN2402, PROPANETHIOLS, 3, II, ENVIRONMENTALLY HAZARDOUS, (N-PROPYL MERCAPTAN)

Maritime transport in bulk according to IMO instruments

**SECTION 15: Regulatory information**

Classification and Labeling of : Primary label: Combustible Liquid.  
Commonly Used Dangerous  
Chemical Substances

**Notification status**

|                                     |   |                                                                                |
|-------------------------------------|---|--------------------------------------------------------------------------------|
| Europe REACH                        | : | This product is in full compliance according to REACH regulation 1907/2006/EC. |
| Switzerland CH INV                  | : | On the inventory, or in compliance with the inventory                          |
| United States of America (USA) TSCA | : | On or in compliance with the active portion of the TSCA inventory              |
| Australia AIIC                      | : | On the inventory, or in compliance with the inventory                          |
| Canada DSL                          | : | All components of this product are on the Canadian DSL                         |
| Japan ENCS                          | : | On the inventory, or in compliance with the inventory                          |
| Korea KECI                          | : | Not 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                          |
| New Zealand NZIoC                   | : | On the inventory, or in compliance with the inventory                          |
| Taiwan TCSI                         | : | On the inventory, or in compliance with the inventory                          |
| Other TECI                          | : | On the inventory, or in compliance with the inventory                          |

**SECTION 16: Other information****Further information**

Legacy SDS Number : 74260

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.

Key or legend to abbreviations and acronyms used in the safety data sheet

**n-Propyl Mercaptan**

Version 4.0

Revision Date 2025-09-09

|        |                                                          |       |                                                                                      |
|--------|----------------------------------------------------------|-------|--------------------------------------------------------------------------------------|
| ACGIH  | American Conference of Government Industrial Hygienists  | LD50  | Lethal Dose 50%                                                                      |
| AIIC   | Australian Inventory of Industrial Chemicals             | LOAEL | Lowest Observed Adverse Effect Level                                                 |
| DSL    | Canada, Domestic Substances List                         | NFPA  | National Fire Protection Agency                                                      |
| NDSL   | Canada, Non-Domestic Substances List                     | NIOSH | National Institute for Occupational Safety & Health                                  |
| CNS    | Central Nervous System                                   | NTP   | National Toxicology Program                                                          |
| CAS    | Chemical Abstract Service                                | NZIoC | New Zealand Inventory of Chemicals                                                   |
| EC50   | Effective Concentration                                  | NOAEL | No Observable Adverse Effect Level                                                   |
| EC50   | Effective Concentration 50%                              | NOEC  | No Observed Effect Concentration                                                     |
| EGEST  | EOSCA Generic Exposure Scenario Tool                     | OSHA  | Occupational Safety & Health Administration                                          |
| EOSCA  | European Oilfield Specialty Chemicals Association        | PEL   | Permissible Exposure Limit                                                           |
| EINECS | European Inventory of Existing Chemical Substances       | PICCS | Philippines Inventory of Commercial Chemical Substances                              |
| MAK    | Germany Maximum Concentration Values                     | PRNT  | Presumed Not Toxic                                                                   |
| GHS    | Globally Harmonized System                               | RCRA  | Resource Conservation Recovery Act                                                   |
| >=     | Greater Than or Equal To                                 | STEL  | Short-term Exposure Limit                                                            |
| IC50   | Inhibition Concentration 50%                             | SARA  | Superfund Amendments and Reauthorization Act.                                        |
| IARC   | International Agency for Research on Cancer              | TLV   | Threshold Limit Value                                                                |
| IECSC  | Inventory of Existing Chemical Substances in China       | TWA   | Time Weighted Average                                                                |
| ENCS   | Japan, Inventory of Existing and New Chemical Substances | TSCA  | Toxic Substance Control Act                                                          |
| KECI   | Korea, Existing Chemical Inventory                       | UVCB  | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| <=     | Less Than or Equal To                                    | WHMIS | Workplace Hazardous Materials Information System                                     |
| LC50   | Lethal Concentration 50%                                 | ATE   | Acute toxicity estimate                                                              |