# Sodium Methyl Mercaptide

## Version 1.10

**Revision Date**: 2016-06-03

---

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

#### Product information

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Sodium Methyl Mercaptide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>1114147, 1114146, 1114145, 1065936, 1066239, 1030037, 1029154, 1029192, 1034903</td>
</tr>
</tbody>
</table>

**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 aan 19

1831 Diegem

Belgium

**SDS Requests**: (800) 852-5530

**Technical Information**: (832) 813-4862

**Responsible Party**: Product Safety Group

**Email**: sds@cpchem.com

#### 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: +800 CHEMCALL (+800 2436 2255) China:+86-21-22157316

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

South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

**Responsible Department**: 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

**REGULATION (EC) No 1272/2008**

**SDS Number**: 100000013985
SAFETY DATA SHEET

Sodium Methyl Mercaptide

Version 1.10
Revision Date 2016-06-03

Flammable liquids, Category 3  H226: Flammable liquid and vapor.
Acute toxicity, Category 4  H302: Harmful if swallowed.
Skin corrosion, Category 1A  H314: Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1  H318: Causes serious eye damage.

Label elements
Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms
Signal Word: Danger
Hazard Statements: H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

Precautionary Statements: Prevention:
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Hazardous ingredients which must be listed on the label:
- 5188-07-8 Sodium Methanethiolate

SECTION 3: Composition/information on ingredients

Synonyms: Methanethiol sodium salt
Sodium methanethiolate
SMM
Sodium methyl mercaptide 21%

Molecular formula: CH3SNa
**SAFETY DATA SHEET**

**Sodium Methyl Mercaptide**

Version 1.10  
Revision Date 2016-06-03

---

**Mixtures**

**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>
</tr>
</thead>
</table>
| Sodium Methanethiolate| 5188-07-8       | Flam. Sol. 1; H228  
Acute Tox. 3; H301  
Skin Corr. 1A; H314  
Aquatic Chronic 2; H411                                          | 20 - 25             |
| Sodium Hydroxide      | 1310-73-2       | Met. Corr. 1; H290  
Skin Corr. 1A; H314  
Eye Dam. 1; H318                                                   | 0,4 - 1             |

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

---

**SECTION 4: First aid measures**

**General advice**

Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.

**If inhaled**

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

**In case of skin contact**

Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes.

**In case of eye contact**

Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. 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. Take victim immediately to hospital.

---

**SECTION 5: Firefighting measures**

**Flash point**

29 °C (84 °F)  
Method: Tag 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.

---

SDS Number:100000013985  
3/14
### Sodium Methyl Mercaptide

**Version 1.10**  
**Revision Date 2016-06-03**

<table>
<thead>
<tr>
<th>Specific hazards during fire fighting</th>
<th>Do not allow run-off from fire fighting to enter drains or water courses.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special protective equipment for fire-fighters</td>
<td>Wear self-contained breathing apparatus for firefighting if necessary.</td>
</tr>
<tr>
<td>Further information</td>
<td>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.</td>
</tr>
<tr>
<td>Fire and explosion protection</td>
<td>Do not spray on an open flame or any other 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.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Sulfur oxides.</td>
</tr>
</tbody>
</table>

### SECTION 6: Accidental release measures

<table>
<thead>
<tr>
<th>Personal precautions</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental precautions</td>
<td>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.</td>
</tr>
<tr>
<td>Methods for cleaning up</td>
<td>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).</td>
</tr>
</tbody>
</table>

### SECTION 7: Handling and storage

**Handling**

<table>
<thead>
<tr>
<th>Advice on safe handling</th>
<th>Avoid formation of aerosol. Do not breathe vapors/dust. 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. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advice on protection against fire and explosion</td>
<td>Do not spray on an open flame or any other 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,</td>
</tr>
</tbody>
</table>
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.

SECTION 8: Exposure controls/personal protection

Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>SK</th>
<th>Zložka</th>
<th>Podstata</th>
<th>Hodnota</th>
<th>Kontrolné parametre</th>
<th>Poznámka</th>
</tr>
</thead>
<tbody>
<tr>
<td>SI</td>
<td>Sestavine</td>
<td>Osnova</td>
<td>Vrednost</td>
<td>Parametri nadzora</td>
<td>Prípomoba</td>
</tr>
<tr>
<td>SE</td>
<td>Bestánde delar</td>
<td>Grundval</td>
<td>Värde</td>
<td>Kontrollparametrar</td>
<td>Anmärkning</td>
</tr>
<tr>
<td>RO</td>
<td>Componente</td>
<td>Bază</td>
<td>Valoare</td>
<td>Parametri de control</td>
<td>Notă</td>
</tr>
<tr>
<td>PT</td>
<td>Componentes</td>
<td>Bases</td>
<td>Valor</td>
<td>Parâmetros de controlo</td>
<td>Nota</td>
</tr>
<tr>
<td>PL</td>
<td>Składniki</td>
<td>Podstawa</td>
<td>Wartość</td>
<td>Parametry dotyczące kontroli</td>
<td>Uwaga</td>
</tr>
<tr>
<td>NO</td>
<td>Komponenter</td>
<td>Grunnlag</td>
<td>Verdi</td>
<td>Kontrollparametrere</td>
<td>Nota</td>
</tr>
<tr>
<td>LV</td>
<td>Sastāvdaļas</td>
<td>Bāze</td>
<td>Vērtiba</td>
<td>Pārvaldības parametri</td>
<td>Piezīme</td>
</tr>
<tr>
<td>LT</td>
<td>Komponentai</td>
<td>Pagrindas, bazė</td>
<td>Vertė</td>
<td>Kontrolės parametrai</td>
<td>Pastaba</td>
</tr>
<tr>
<td>IE</td>
<td>Ingredients</td>
<td>Basis</td>
<td>Value</td>
<td>Control parameters</td>
<td>Note</td>
</tr>
<tr>
<td>HU</td>
<td>Komponensek</td>
<td>Bázis</td>
<td>Érték</td>
<td>Ellenőrzési</td>
<td>Megjegyzés</td>
</tr>
</tbody>
</table>

SDS Number:100000013985 5/14
### Sodium Methyl Mercaptide

**SAFETY DATA SHEET**

**Version 1.10**

**Revision Date:** 2016-06-03

**Sodium Hydroxide**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU OEL</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>AK-érték</td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

Maró hatású anyag (félmarja a bőrt, nyálkahártyát, szemét vagy mindhármat)

**GR**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Basis</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>GR OEL</td>
<td>TWA</td>
</tr>
<tr>
<td></td>
<td>GR OEL</td>
<td>STEL</td>
</tr>
</tbody>
</table>

**GB**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Basis</th>
<th>Value</th>
<th>Control parameters</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>GB EH40</td>
<td>STEL</td>
<td>2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

**FR**

<table>
<thead>
<tr>
<th>Composants</th>
<th>Basis</th>
<th>Value</th>
<th>Paramètres de contrôle</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>FR VLE</td>
<td>VME</td>
<td>2 mg/m³</td>
<td>normal</td>
</tr>
</tbody>
</table>

**FI**

<table>
<thead>
<tr>
<th>Aineosat</th>
<th>Peruste</th>
<th>Arvo</th>
<th>Valvontaa koskevat muutujat</th>
<th>Huomautus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>FI OEL</td>
<td>CEIL</td>
<td>2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

**ES**

<table>
<thead>
<tr>
<th>Componentes</th>
<th>Basis</th>
<th>Valor</th>
<th>Parámetros de control</th>
<th>Nota</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>ES VLA</td>
<td>VLA-EC</td>
<td>2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

**EE**

<table>
<thead>
<tr>
<th>Komponentid, osad</th>
<th>Alused</th>
<th>Väärtus</th>
<th>Kontrolliparametreid</th>
<th>Märkused</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>EE OEL</td>
<td>Primomi</td>
<td>1 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EE OEL</td>
<td>Primormi lag</td>
<td>2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

* Primormi lag - kiiresti toimivat ainet tubatud pidev maksimaalne sisaldus öhus 15 minuti jooksul, ammoniaagi ja isotsüanaadi puhul 5 minuti jooksul

**DK**

<table>
<thead>
<tr>
<th>Komponenter</th>
<th>Basis</th>
<th>Værdi</th>
<th>Kontrolparametre</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>DK OEL</td>
<td>L</td>
<td>2 mg/m³</td>
<td>L, markerer, at grænseværdien er en tilsvarende, som ikke på noget tidspunkt må overskrides.</td>
</tr>
</tbody>
</table>

**CZ**

<table>
<thead>
<tr>
<th>Složky</th>
<th>Základ</th>
<th>Hodnota</th>
<th>Kontrolní parametry</th>
<th>Poznámka</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>CZ OEL</td>
<td>PEL</td>
<td>1 mg/m³</td>
<td>I,</td>
</tr>
<tr>
<td></td>
<td>CZ OEL</td>
<td>NPK-P</td>
<td>2 mg/m³</td>
<td>I,</td>
</tr>
</tbody>
</table>

**CY**

<table>
<thead>
<tr>
<th>Συστατικά</th>
<th>Βασία</th>
<th>Τιμή</th>
<th>Παράμετροι ελέγχου</th>
<th>Σημείωση</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>CY OEL 2</td>
<td>M.E.I.</td>
<td>2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

**CH**

<table>
<thead>
<tr>
<th>Inhaltsstoffe</th>
<th>Grundlage</th>
<th>Wert</th>
<th>Zu überwachende Parameter</th>
<th>Bemerkung</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>CH SUVA</td>
<td>MAK-Wert</td>
<td>2 mg/m³</td>
<td>NIOSH, OSHA, SSc, einatembarer Staub</td>
</tr>
<tr>
<td></td>
<td>CH SUVA</td>
<td>KZGW</td>
<td>2 mg/m³</td>
<td>NIOSH, OSHA, SSc, einatembarer Staub</td>
</tr>
</tbody>
</table>

**BG**

<table>
<thead>
<tr>
<th>Съставки</th>
<th>Основа</th>
<th>Стойност</th>
<th>Параметри на kontrol</th>
<th>Бележка</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>BG OEL</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

**BE**

<table>
<thead>
<tr>
<th>Bestanddelen</th>
<th>Basis</th>
<th>Waarde</th>
<th>Controleparameters</th>
<th>Opmerking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>BE OEL</td>
<td>CIEL</td>
<td>2 mg/m³</td>
<td>M,</td>
</tr>
</tbody>
</table>

**AT**

<table>
<thead>
<tr>
<th>Inhaltsstoffe</th>
<th>Grundlage</th>
<th>Wert</th>
<th>Zu überwachende Parameter</th>
<th>Bemerkung</th>
</tr>
</thead>
</table>

**SDS Number:** 100000013985 6/14
Engineering measures

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the workplace 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: 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. Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Wear as appropriate: Flame retardant antistatic protective clothing. Rubber apron. Complete head face and neck protection. 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: Colorless
Odor: Pungent

Safety data
Flash point: 29 °C (84 °F)
Sodium Methyl Mercaptide

Method: Tag closed cup

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Molecular formula</td>
<td>CH3SNa</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>70.08 g/mol</td>
</tr>
<tr>
<td>pH</td>
<td>&gt; 10</td>
</tr>
<tr>
<td>Pour point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>Not applicable, Decomposes</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>20.00 MMHG</td>
</tr>
<tr>
<td></td>
<td>at 24 °C (75 °F)</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1.138 G/ML</td>
</tr>
<tr>
<td></td>
<td>at 30 °C (86 °F)</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>1 (Air = 1.0)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>79 %</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

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

Possibility of hazardous reactions

Conditions to avoid: Heat, flames and sparks.
SAFETY DATA SHEET

Sodium Methyl Mercaptide

Version 1.10
Revision Date 2016-06-03

Materials to avoid: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Thermal decomposition: No data available

Hazardous decomposition products: Sulfur oxides

Other data: No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

Sodium Methyl Mercaptide
Acute oral toxicity: LD50 Oral: 414.29 mg/kg
Species: Rat
Method: Acute toxicity estimate

Sodium Methyl Mercaptide
Acute inhalation toxicity: No data available

Sodium Methyl Mercaptide
Acute dermal toxicity: No data available

Sodium Methyl Mercaptide
Skin irritation: Extremely corrosive and destructive to tissue. Information refers to the main ingredient.

Sodium Methyl Mercaptide
Eye irritation: May cause irreversible eye damage. Information refers to the main ingredient.

Sodium Methyl Mercaptide
Sensitization: Contains no substance or substances classified as sensitizing.

Repeated dose toxicity
Sodium Methanethiolate
Species: Rat
Application Route: Inhalation
Dose: 2, 17, 57 ppm
Exposure time: 3 mo
Number of exposures: 7 h/d, 5 d/wk
NOEL: 17 ppm
Lowest observable effect level: 57 ppm

Reproductive toxicity
Sodium Methanethiolate
Species: Rat
Sex: male
Application Route: oral gavage
Dose: 5, 15, 45 mg/kg
Number of exposures: daily
Test period: 4 wks premating, mating and...
NOAEL Parent: > 45 mg/kg
### Sodium Methyl Mercaptide

**Species:** Rat  
**Sex:** female  
**Application Route:** oral gavage  
**Dose:** 5, 15, 45 mg/kg  
**Number of exposures:** daily  
**Test period:** 4 wks premating, mating and...  
**NOAEL Parent:** > 45 mg/kg

**Sodium Methyl Mercaptide**  
**Aspiration toxicity:** No aspiration toxicity classification.

**Further information**  
**Sodium Hydroxide:** No data available.

### SECTION 12: Ecological information

**Toxicity to fish**  
**Sodium Methanethiolate**  
**LC50:** 1.8 mg/l  
**Exposure time:** 96 h  
**Species:** Danio rerio (Zebra Fish)  
**Method:** OECD Test Guideline 203

**Toxicity to daphnia and other aquatic invertebrates**  
**Sodium Methanethiolate**  
**EC50:** 1.32 - 2.46 mg/l  
**Exposure time:** 48 h  
**Species:** Daphnia magna (Water flea)  
**Method:** OECD Test Guideline 202

**Toxicity to algae**  
**Sodium Methanethiolate**  
**ErC50:** 15 mg/l  
**Exposure time:** 72 h  
**Species:** Pseudokirchneriella subcapitata (green algae)  
**Method:** OECD Test Guideline 201

**Biodegradability**  
**Sodium Methanethiolate**  
**aerobic:** 64 %  
**Testing period:** 28 d  
**Method:** OECD Test Guideline 301D  
Readily biodegradable, according to appropriate OECD test.

**Ecotoxicology Assessment**

**Acute aquatic toxicity**  
**Sodium Methanethiolate**  
Toxic to aquatic life.

**Chronic aquatic toxicity**  
**Sodium Methanethiolate**  
Toxic to aquatic life with long lasting effects.
SAFETY DATA SHEET

Sodium Methyl Mercaptide

Version 1.10
Revision Date 2016-06-03

Additional ecological information: Toxic to aquatic life.

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: Do not dispose of waste into sewer. 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)
UN2920, CORROSIVE LIQUIDS, FLAMMABLE, N.O.S., (SODIUM METHANETHIOLATE), 8 (3), I

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)
UN2920, CORROSIVE LIQUID, FLAMMABLE, N.O.S., (SODIUM METHANETHIOLATE), 8 (3), I, (29 °C)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)
UN2920, CORROSIVE LIQUID, FLAMMABLE, N.O.S., (SODIUM METHANETHIOLATE), 8 (3), I

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))
UN2920, CORROSIVE LIQUID, FLAMMABLE, N.O.S., (SODIUM METHANETHIOLATE), 8 (3), I, (D/E)

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))
UN2920, CORROSIVE LIQUID, FLAMMABLE, N.O.S., (SODIUM METHANETHIOLATE), 8 (3), I
**Sodium Methyl Mercaptide**

**Version 1.10**

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

UN2920, CORROSIVE LIQUID, FLAMMABLE, N.O.S., (SODIUM METHANETHIOLATE), 8 (3), I

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

**SECTION 15: Regulatory information**

**National legislation**

<table>
<thead>
<tr>
<th>Major Accident Hazard Legislation</th>
<th>96/82/EC Update: 2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly flammable 7b</td>
<td></td>
</tr>
<tr>
<td>Quantity 1: 5.000 t</td>
<td></td>
</tr>
<tr>
<td>Quantity 2: 50.000 t</td>
<td></td>
</tr>
</tbody>
</table>

**Water contaminating class**

| (Germany) | WGK 1 slightly water endangering |

**Notification status**

| Europe REACH | On the inventory, or in compliance with the inventory |
| United States of America TSCA | On the inventory, or in compliance with the inventory |
| Canada NDSL | On the inventory, or in compliance with the inventory |
| Australia AICS | Not 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: 3 |
| Fire Hazard: 3 |
| Reactivity Hazard: 0 |

**Further information**

| Legacy SDS Number | 681520 |

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>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>AICS</td>
</tr>
<tr>
<td>DSL</td>
</tr>
<tr>
<td>NDSL</td>
</tr>
<tr>
<td>CNS</td>
</tr>
<tr>
<td>CAS</td>
</tr>
<tr>
<td>EC50</td>
</tr>
<tr>
<td>EC50</td>
</tr>
<tr>
<td>EGEST</td>
</tr>
<tr>
<td>EOSCA</td>
</tr>
<tr>
<td>EINECS</td>
</tr>
<tr>
<td>MAK</td>
</tr>
<tr>
<td>GHS</td>
</tr>
<tr>
<td>=&gt;</td>
</tr>
<tr>
<td>IC50</td>
</tr>
<tr>
<td>IARC</td>
</tr>
<tr>
<td>IECSC</td>
</tr>
<tr>
<td>ENCS</td>
</tr>
<tr>
<td>KECI</td>
</tr>
<tr>
<td>&lt;=</td>
</tr>
<tr>
<td>LC50</td>
</tr>
</tbody>
</table>

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

H226  Flammable liquid and vapor.
H228  Flammable solid.
H290  May be corrosive to metals.
H301  Toxic if swallowed.
H302  Harmful if swallowed.
H314  Causes severe skin burns and eye damage.
H318  Causes serious eye damage.
H411  Toxic to aquatic life with long lasting effects.