

## Sodium Methyl Mercaptide

Version 1.11

Revision Date 2020-08-26

According to Regulation (EC) No. 1907/2006, Regulation (EC) No. 2015/830

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

#### 1.1

##### Product information

Product Name : Sodium Methyl Mercaptide  
 Material : 1114147, 1114146, 1114145, 1065936, 1066239, 1030037,  
 1029154, 1029192, 1034903

#### 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 Vincilaan 19  
 1831 Diegem  
 Belgium

SDS Requests: (800) 852-5530  
 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

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

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**

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

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

Hazardous ingredients which must be listed on the label:

- 5188-07-8 Sodium Methanethiolate
- 1310-73-2 Sodium Hydroxide

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

**SECTION 3: Composition/information on ingredients****3.1 - 3.2****Substance or Mixture**

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

Molecular formula : CH<sub>3</sub>SNa

**Hazardous ingredients**

Chemical name	CAS-No. EC-No. Index No.	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]
<b>Sodium Methanethiolate</b>	<b>5188-07-8</b> <b>225-969-9</b>	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318	20 - 25
Sodium Hydroxide	1310-73-2 215-185-5 011-002-00-6	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****4.1****Description of 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 : Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

**SECTION 5: Firefighting measures**

Flash point : 29°C (84°F)  
Method: Tag closed cup

Autoignition temperature : No data available

**5.1****Extinguishing media**

Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

Unsuitable extinguishing media : High volume water jet.

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

Specific hazards during fire fighting : 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 a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.

Hazardous decomposition products : Sulfur oxides.

**SECTION 6: Accidental release measures****6.1****Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**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**

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

**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, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**6.4****Reference to other sections****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 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.

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). 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 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****SK**

Zložky	Podstata	Hodnota	Kontrolné parametre	Poznámka
Sodium Hydroxide	SK OEL	NPEL priemerný	2 mg/m3	

**SE**

Beståndsdelar	Grundval	Värde	Kontrollparametrar	Anmärkning
Sodium Hydroxide	SE AFS	NGV	1 mg/m3	Inhalerbart
	SE AFS	TGV	2 mg/m3	Inhalerbart
	SE AFS	NGV	1 mg/m3	inhalabel fraktion
	SE AFS	KGV	2 mg/m3	inhalabel fraktion

**RO**

Componente	Sursă	Valoare	Parametri de control	Notă
Sodium Hydroxide	RO OEL	TWA	1 mg/m3	
	RO OEL	STEL	3 mg/m3	

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

**PT**

Componentes	Bases	Valor	Parâmetros de controlo	Nota
Sodium Hydroxide	PT OEL	VLE-CE	2 mg/m <sup>3</sup>	

**PL**

Składniki	Podstawa	Wartość	Parametry dotyczące kontroli	Uwaga
Sodium Hydroxide	PL NDS	NDS	0,5 mg/m <sup>3</sup>	
	PL NDS	NDSch	1 mg/m <sup>3</sup>	

**NO**

Komponenter	Grunnlag	Verdi	Kontrollparametrer	Nota
Sodium Hydroxide	FOR-2011-12-06-1358	T	2 mg/m <sup>3</sup>	

**MK**

Съставки	Основа	Стойност	Параметри на контрол	Бележка
Sodium Hydroxide	MK OEL	MV	2 mg/m <sup>3</sup>	Inhalable fraction - the part of the total suspended material that is inhaled by the employees

**LV**

Sastāvdaļas	Bāze	Vērtība	Pārvaldības parametri	Piezīme
Sodium Hydroxide	LV OEL	AER 8 st	0,5 mg/m <sup>3</sup>	

**LT**

Komponentai	Šaltinis	Vertė	Kontrolės parametrai	Pastaba
Sodium Hydroxide	LT OEL	NRD	2 mg/m <sup>3</sup>	

**IS**

Komponenter	Grunnlag	Verdi	Kontrollparametrer	Nota
Sodium Hydroxide	IS OEL	STEL	2 mg/m <sup>3</sup>	

**IE**

Components	Basis	Value	Control parameters	Note
Sodium Hydroxide	IE OEL	OELV - 15 min (STEL)	2 mg/m <sup>3</sup>	

**HU**

Komponensek	Bázis	Érték	Ellenőrzési paraméterek	Megjegyzés
Sodium Hydroxide	HU OEL	AK-érték	2 mg/m <sup>3</sup>	m,
	HU OEL	CK-érték	2 mg/m <sup>3</sup>	m,

m Maró hatású anyag (felmarja a bőrt, nyálkahártyát, szemet vagy mindhámat)

**HR**

Sastojci	Temelj	Vrijednost	Nadzorni parametri	Bilješka
Sodium Hydroxide	HR OEL	KGVI	2 mg/m <sup>3</sup>	

**GR**

Συστατικά	Βάση	Τιμή	Παράμετροι ελέγχου	Σημείωση
Sodium Hydroxide	GR OEL	TWA	2 mg/m <sup>3</sup>	
	GR OEL	STEL	2 mg/m <sup>3</sup>	

**GB**

Components	Basis	Value	Control parameters	Note
Sodium Hydroxide	GB EH40	STEL	2 mg/m <sup>3</sup>	

**FR**

Composants	Base	Valeur	Paramètres de contrôle	Note
Sodium Hydroxide	FR VLE	VME	2 mg/m <sup>3</sup>	Valeurs limites indicatives,

Valeurs limites indicatives Valeurs limites indicatives

**FI**

Aineosat	Peruste	Arvo	Valvontaa koskevat muuttujat	Huomautus
Sodium Hydroxide	FI OEL	CEIL	2 mg/m <sup>3</sup>	

**ES**

Componentes	Base	Valor	Parámetros de control	Nota
Sodium Hydroxide	ES VLA	VLA-EC	2 mg/m <sup>3</sup>	

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

**EE**

Komponendid, osad	Alused	Väärtus	Kontrolliparameetrid	Märkused
Sodium Hydroxide	EE OEL	Piirnorm	1 mg/m <sup>3</sup>	
	EE OEL	Lühiajalise kokkupuute piirnorm	2 mg/m <sup>3</sup>	

**DK**

Komponenter	Basis	Værdi	Kontrolparametre	Note
Sodium Hydroxide	DK OEL	L	2 mg/m <sup>3</sup>	

**CZ**

Složky	Základ	Hodnota	Kontrolní parametry	Poznámka
Sodium Hydroxide	CZ OEL	PEL	1 mg/m <sup>3</sup>	I,
	CZ OEL	NPK-P	2 mg/m <sup>3</sup>	I,

I dráždí sliznice (oči, dýchací cesty) resp. kůži

**CY**

Συστατικά	Βάση	Τιμή	Παράμετροι ελέγχου	Σημείωση
Sodium Hydroxide	CY OEL 2	M.E.Σ.	2 mg/m <sup>3</sup>	

**CH**

Inhaltsstoffe	Grundlage	Wert	Zu überwachende Parameter	Bemerkung
Sodium Hydroxide	CH SUVA	MAK-Wert	2 mg/m <sup>3</sup>	NIOSH, OSHA, SSc, einatembarer Staub
	CH SUVA	KZGW	2 mg/m <sup>3</sup>	NIOSH, OSHA, SSc, einatembarer Staub

NIOSH National Institute for Occupational Safety and Health

OSHA Occupational Safety and Health Administration

SSc Eine Schädigung der Leibesfrucht braucht bei Einhaltung des MAK-Wertes nicht befürchtet zu werden.

**BG**

Съставки	Основа	Стойност	Параметри на контрол	Бележка
Sodium Hydroxide	BG OEL	TWA	2 mg/m <sup>3</sup>	

**BE**

Bestanddelen	Basis	Waarde	Controleparameters	Opmerking
Sodium Hydroxide	BE OEL	TGG 8 hr	2 mg/m <sup>3</sup>	

**AT**

Inhaltsstoffe	Grundlage	Wert	Zu überwachende Parameter	Bemerkung
Sodium Hydroxide	AT OEL	MAK-TMW	2 mg/m <sup>3</sup>	einatembare Fraktion
	AT OEL	MAK-KZW	4 mg/m <sup>3</sup>	einatembare Fraktion

**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**

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. Air-Purifying Respirator for Dusts and Mists / P100. Use a positive pressure, air-supplying respirator if there is potential

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

- 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.
- 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: Flame retardant antistatic protective clothing. Workers should wear antistatic footwear. Complete head face and neck protection. Rubber apron. 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****9.1****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)  
 Method: Tag closed cup
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- Oxidizing properties : No
- Autoignition temperature : No data available
- Thermal decomposition : No data available
- Molecular formula : CH<sub>3</sub>SNa
- Molecular weight : 70,08 g/mol
- pH : > 10
- Pour point : No data available



**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

Boiling point/boiling range	: Not applicable, Decomposes
Vapor pressure	: 20,00 MMHG at 24°C (75°F)
Relative density	: No data available
Density	: 1,138 G/ML at 30°C (86°F)
Water solubility	: Soluble
Partition coefficient: n-octanol/water	: No data available
Viscosity, kinematic	: No data available
Relative vapor density	: 1 (Air = 1.0)
Evaporation rate	: No data available
Percent volatile	: 79 %

**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., Vapors may form explosive mixture with air.

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

**10.4**

**Conditions to avoid** : Heat, flames and sparks.

**10.5**

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

**Thermal decomposition** : No data available

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

**10.6****Hazardous decomposition products** : Sulfur oxides**Other data** : No decomposition if stored and applied as directed.**SECTION 11: Toxicological information****11.1****Information on toxicological effects****Acute oral toxicity**

Sodium Methanethiolate : LD50: 581 mg/kg  
Species: Rat  
Sex: male and female  
Method: OECD Test Guideline 401

**Acute inhalation toxicity**

Sodium Methanethiolate : No data available

**Acute dermal toxicity**

Sodium Methanethiolate : LD50: > 400 mg/kg  
Species: Rat  
Sex: male and female  
Method: OECD Test Guideline 402

**Sodium Methyl Mercaptide  
Skin irritation**

: Extremely corrosive and destructive to tissue.  
Information given is based on tests on the mixture itself.

**Sodium Methyl Mercaptide  
Eye irritation**

: Irreversible effects on the eye

**Sodium Methyl Mercaptide  
Sensitization**

: Did not cause sensitization on laboratory animals.

**Repeated dose toxicity**

Sodium Methanethiolate : Species: Rat, male  
Sex: male  
Application Route: Inhalation  
Dose: 0, 2, 17, 57 ppm  
Exposure time: 13 wk  
Number of exposures: 7 h/d, 5 d/wk  
NOEL: 0,033 mg/l 17 ppm  
Lowest observable effect level: 0,118 mg/l 57 ppm  
Target Organs: Liver  
Information given is based on data obtained from similar substances.

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

Species: Rat, male  
 Sex: male  
 Application Route: oral gavage  
 Dose: 5, 15, 45 mg/kg/day  
 Exposure time: 8 wk  
 Number of exposures: once/d, 7 d/wk  
 NOEL: 15 mg/kg  
 Lowest observable effect level: 45 mg/kg  
 Method: OECD Test Guideline 422  
 Target Organs: Blood, spleen

Species: Rat, female  
 Sex: female  
 Application Route: oral gavage  
 Dose: 5, 15, 45 mg/kg/day  
 Exposure time: 8 - 9 wk  
 Number of exposures: once/d, 7 d/wk  
 NOEL: 15 mg/kg  
 Lowest observable effect level: 45 mg/kg  
 Method: OECD Test Guideline 422  
 Target Organs: Blood, spleen

**Genotoxicity in vitro**

Sodium Methanethiolate : Test Type: Ames test  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 471  
 Result: negative

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

Sodium Hydroxide : Test Type: Ames test  
 Result: negative

Test Type: DNA damage and repair assay  
 Result: negative

Test Type: Mammalian cell gene mutation assay  
 Result: positive

**Genotoxicity in vivo**

Sodium Methanethiolate : Test Type: Micronucleus test  
 Species: Mouse  
 Cell type: Bone marrow  
 Route of Application: Oral  
 Method: OECD Test Guideline 474  
 Result: negative

Sodium Hydroxide : Test Type: Mouse micronucleus assay  
 Result: negative

**Reproductive toxicity**

Sodium Methanethiolate : Species: Rat

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

Sex: male  
 Application Route: oral gavage  
 Dose: 5, 15, 45 mg/kg  
 Exposure time: 8 wk  
 Number of exposures: once/d, 7 d/wk  
 Test period: 4 wks pre mating, mating and...  
 Method: OECD Guideline 422  
 NOAEL Parent: > 45 mg/kg  
 NOAEL F1: > 45 mg/kg

Species: Rat  
 Sex: female  
 Application Route: oral gavage  
 Dose: 5, 15, 45 mg/kg  
 Exposure time: 8 - 9 wk  
 Number of exposures: once/d, 7 d/wk  
 Test period: 4 wks pre mating, mating and...  
 Method: OECD Guideline 422  
 NOAEL Parent: > 45 mg/kg  
 NOAEL F1: > 45 mg/kg

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

**Sodium Methyl Mercaptide**  
**Further information** : Solvents may degrease the skin.

**SECTION 12: Ecological information****12.1****Toxicity****Toxicity to fish**

Sodium Methanethiolate : LC50: 1,8 mg/l  
 Exposure time: 96 h  
 Species: Danio rerio (Zebra Fish)  
 semi-static test 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)  
 static test Method: OECD Test Guideline 202

**Toxicity to algae**

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

**12.2****Persistence and degradability**

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

## Biodegradability

Sodium Methanethiolate : aerobic  
 Result: Readily biodegradable.  
 64 %  
 Testing period: 28 d  
 Method: OECD Test Guideline 301D

**12.3****Bioaccumulative potential**

## Bioaccumulation

Sodium Methanethiolate : This material is not expected to bioaccumulate.

**12.4****Mobility in soil**

## Mobility

Sodium Methanethiolate : No data available

**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 very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6****Other adverse effects**

Additional ecological information : Toxic to aquatic life.

**Ecotoxicology Assessment**

## Short-term (acute) aquatic hazard

Sodium Methanethiolate : Toxic to aquatic life.

## Long-term (chronic) aquatic hazard

Sodium Methanethiolate : This product has no known ecotoxicological 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

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

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)**

UN2920, CORROSIVE LIQUIDS, FLAMMABLE, N.O.S., (SODIUM METHANETHIOLATE, SODIUM HYDROXIDE), 8 (3), I, RQ (SODIUM HYDROXIDE)

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

UN2920, CORROSIVE LIQUID, FLAMMABLE, N.O.S., (SODIUM METHANETHIOLATE, SODIUM HYDROXIDE), 8 (3), I, (29°C)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

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

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

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

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

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

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

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

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

**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

**SECTION 15: Regulatory information****15.1****Safety, health and environmental regulations/legislation specific for the substance or mixture  
National legislation**

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**Water contaminating class (Germany)** : WGK 1 slightly water endangering

**15.2**

**Major Accident Hazard Legislation** : 96/82/EC Update: 2003  
Highly flammable  
7b  
Quantity 1: 5.000 t  
Quantity 2: 50.000 t

: ZEU\_SEVES3 Update:  
FLAMMABLE LIQUIDS  
P5c  
Quantity 1: 5.000 t  
Quantity 2: 50.000 t

**Notification status**

Europe REACH : Not in compliance with the inventory  
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  
Canada NDSL : On the inventory, or in compliance with the inventory  
Australia AICS : Not in compliance with the inventory  
New Zealand NZIoC : Not in compliance with the inventory  
Japan ENCS : On the inventory, or in compliance with the inventory  
Korea KECI : All substances in this product were registered, notified to be registered, or exempted from registration by CPChem through an Only Representative according to K-REACH regulations. Importation of this product is permitted if the Korean Importer of Record was included on CPChem's notifications or if the Importer of Record themselves notified the substances.

Philippines PICCS : On the inventory, or in compliance with the inventory  
China IECSC : On the inventory, or in compliance with the inventory  
Taiwan TCSI : On the inventory, or in compliance with the inventory

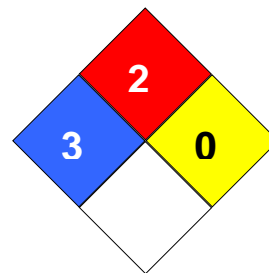
**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

**SECTION 16: Other information**

**NFPA Classification** : Health Hazard: 3  
Fire Hazard: 2  
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.

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	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	TSCA	Toxic Substance Control Act



**Sodium Methyl Mercaptide**

Version 1.11

Revision Date 2020-08-26

	New Chemical Substances		
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%		

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

H226	Flammable liquid and vapor.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.