SAFETY DATA SHEET

Tertiary Butyl Mercaptan

Version 1.7

Revision Date 2018-11-12

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

Product information
Product Name: Tertiary Butyl Mercaptan
Material: 1069500, 1086416, 1086415, 1070007, 1064730, 1021473, 1021470, 1017940, 1036143, 1024807, 1021472, 1021471, 1024806, 1021469, 1028495, 1021474, 1027458, 1029711, 1017329, 1021468

Use: Chemical intermediate, Odorant

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

Local: See Company Address

Emergency telephone:
Health:
866.442.9628 (North America)
1.832.813.4984 (International)

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

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

SECTION 2: Hazards identification

Classification of the substance or mixture
GHS Classification and labelling according to JIS Z7252-2014 and JIS Z7253-2012 (GHS 2011)

Classification:
Flammable liquids, Category 2
Skin sensitization, Category 1
Short-term (acute) aquatic hazard, Category 2
Tertiary Butyl Mercaptan

Long-term (chronic) aquatic hazard, Category 2

**Labeling**

Symbol(s): ⚠️🔥 cây

Signal Word: Danger


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 dust/fume/gas/mist/vapors/spray.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/eye protection/face protection.

**Response:**
- P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
- P362 + P364: Take off contaminated clothing and wash it before reuse.
- P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- P391: Collect spillage.

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

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

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

**Synonyms:**
- t-Butyl Mercaptan
tert-Butanethiol
- 2-Methyl Propane-2-Thiol
- TBM
- TC4SH
tert-Butyl Mercaptan

**Molecular formula:** C4H10S
Tertiary Butyl Mercaptan

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

If swallowed: Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5: Firefighting measures

Flash point: -26 °C (-15 °F) estimated

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 firefighting: 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 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,
Hazardous decomposition products: Carbon oxides. Sulfur 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

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 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.

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.

Use: Chemical intermediate, Odorant
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SECTION 8: Exposure controls/personal protection

Ingredients with workplace control parameters

Chevron Phillips Chemical Company LP

<table>
<thead>
<tr>
<th>Components</th>
<th>Basis</th>
<th>Value</th>
<th>Control parameters</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>t-Butyl Mercaptan</td>
<td>Manufacturer</td>
<td>TWA</td>
<td>0.5 ppm,</td>
<td></td>
</tr>
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</table>

JP

<table>
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<tr>
<th>Components</th>
<th>Basis</th>
<th>Value</th>
<th>Control parameters</th>
<th>Note</th>
</tr>
</thead>
</table>

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 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. Organic Vapor Cartridges. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

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

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

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. Wear as appropriate: 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

SDS Number: 100000013356 5/14
**Tertiary Butyl Mercaptan**

**Form**: Liquid

**Physical state**: Liquid

**Color**: clear

**Odor**: Repulsive

### Safety data

**Flash point**: -26 °C (-15 °F) estimated

**Lower explosion limit**: No data available

**Upper explosion limit**: No data available

**Oxidizing properties**: No

**Autoignition temperature**: No data available

**Molecular formula**: C4H10S

**Molecular weight**: 90.2 g/mol

**pH**: Not applicable

**Pour point**: No data available

**Boiling point/boiling range**: 63 - 65 °C (145 - 149 °F)

**Vapor pressure**: 5.90 PSI at 38 °C (100 °F)

**Relative density**: 0.81 at 16 °C (61 °F)

**Water solubility**: Negligible

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

**Relative vapor density**: 3 (Air = 1.0)

**Evaporation rate**: 1

**Percent volatile**: > 99 %

### SECTION 10: Stability and reactivity

**Reactivity**: Stable under recommended storage conditions.
# Tertiary Butyl Mercaptan

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

## Possibility of hazardous reactions

### Hazardous reactions
Hazardous reactions: Hazardous polymerization does not occur.
Further information: No decomposition if stored and applied as directed.
Hazardous reactions: Vapors may form explosive mixture with air.

### Conditions to avoid
- Heat, flames and sparks.

### Hazardous decomposition products
- Carbon oxides
- Sulfur oxides

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

## SECTION 11: Toxicological information

### Acute oral toxicity
**t-Butyl Mercaptan**
- LD50: 4,729 mg/kg
- Species: Rat
- Sex: male

### Acute inhalation toxicity
**t-Butyl Mercaptan**
- LC50: 98.3 mg/l
  - Exposure time: 4 h
  - Species: Rat
  - Sex: male and female
  - Test atmosphere: vapor
  - Method: OECD Test Guideline 403
  - LC50: 81.9 mg/l
  - Exposure time: 4 h
  - Species: Rat
  - Sex: male
  - Test atmosphere: vapor
  - Method: OECD Test Guideline 403
  - LC50: 60.9 mg/l
  - Exposure time: 4 h
  - Species: Mouse
  - Sex: male
  - Test atmosphere: vapor
  - Method: OECD Test Guideline 403

### Skin irritation
Tertiary Butyl Mercaptan

Eye irritation

- t-Butyl Mercaptan: slight irritation. Information given is based on data obtained from similar substances.

Sensitization

- t-Butyl Mercaptan: May cause sensitization by skin contact.

Repeated dose toxicity

- t-Butyl 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

- t-Butyl Mercaptan:
  - Species: Rat, Male and female
  - Sex: Male and female
  - Application Route: oral gavage
  - Dose: 10, 50, 200 mg/kg bw/day
  - Exposure time: 42-53 days
  - Number of exposures: Daily
  - NOEL: 50 mg/kg bw/day
  - Lowest observable effect level: 200 mg/kg bw/day
  - Method: OECD Guideline 422

- t-Butyl Mercaptan:
  - Species: Rat, Male and female
  - Sex: Male and female
  - Application Route: Inhalation
  - Dose: 25.1, 99.6, 403.4 ppm
  - Exposure time: 13 wks
  - Number of exposures: 6 hrs/d, 5 d/wk
  - NOEL: 99.6 ppm
  - Lowest observable effect level: 403.4 ppm
  - Method: OECD Guideline 413
  - Target Organs: Liver, Kidney, Blood, Upper respiratory tract
  - Information given is based on data obtained from similar substances.

Genotoxicity in vitro

- t-Butyl Mercaptan:
  - Test Type: Mouse lymphoma assay
  - Metabolic activation: with and without metabolic activation
  - Result: negative

- Test Type: Sister Chromatid Exchange Assay
  - Metabolic activation: with and without metabolic activation
  - Result: negative

- Test Type: Ames test
  - Metabolic activation: with and without metabolic activation
  - Result: negative
Genotoxicity in vivo

**t-Butyl Mercaptan**
- Test Type: Mouse micronucleus assay
- Species: Mouse
- Dose: 1250, 2500, 5000 mg/kg
- Method: Mutagenicity (micronucleus test)
- Result: negative

Reproductive toxicity

**t-Butyl Mercaptan**
- Species: Rat
- Sex: male and female
- Application Route: oral gavage
- Dose: 10, 50, 200 mg/kg bw/day
- Number of exposures: Daily
- Test period: 42-53 days
- Method: OECD Guideline 422
- NOAEL Parent: 200 mg/kg bw/day
- NOAEL F1: 50 mg/kg bw/day
- No adverse effects expected

Developmental Toxicity

**t-Butyl Mercaptan**
- Species: Mouse
- Application Route: Inhalation
- Dose: 11, 99, 195 ppm
- Exposure time: GD 6-16
- Number of exposures: 6 hrs/d
- NOAEL Teratogenicity: > = 195 ppm
- NOAEL Maternal: > = 195 ppm

**Species: Rat**
- Application Route: Inhalation
- Dose: 11, 99, 195 ppm
- Exposure time: GD6-19
- Number of exposures: 6 hrs/d
- NOAEL Teratogenicity: > =195 ppm
- NOAEL Maternal: > = 195 ppm

**Species: Rat**
- Application Route: oral gavage
- Dose: 10, 50, 200 mg/kg bw/day
- Exposure time: 42-53 days
- Number of exposures: Daily
- NOAEL Teratogenicity: 50 mg/kg bw /day
- NOAEL Maternal: 200 mg/kg bw /day

Tertiary Butyl Mercaptan

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

CMR effects

**t-Butyl Mercaptan**
- Carcinogenicity: Not available
- Mutagenicity: Did not show mutagenic effects in animal experiments.
- Teratogenicity: Did not show teratogenic effects in animal experiments.
- Reproductive toxicity: No toxicity to reproduction
Tertiary Butyl Mercaptan

Further information:
Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing. Solvents may degrease the skin.

SECTION 12: Ecological information

Toxicity to fish

<table>
<thead>
<tr>
<th>t-Butyl Mercaptan</th>
<th>LC50: 34 mg/l</th>
<th>Exposure time: 96 h</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Species: Oncorhynchus mykiss (rainbow trout) semi-static test Method: OECD Test Guideline 203</td>
<td></td>
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</table>

Toxicity to daphnia and other aquatic invertebrates

<table>
<thead>
<tr>
<th>t-Butyl Mercaptan</th>
<th>EC50: 6.7 mg/l</th>
<th>Exposure time: 48 h</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Species: Daphnia magna (Water flea) static test Method: OECD Test Guideline 202</td>
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</table>

Toxicity to algae

<table>
<thead>
<tr>
<th>t-Butyl Mercaptan</th>
<th>EC50: 24 mg/l</th>
<th>Exposure time: 72 h</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Species: Pseudokirchneriella subcapitata (green algae) Method: OECD Test Guideline 201</td>
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</table>

Biodegradability

<table>
<thead>
<tr>
<th>t-Butyl Mercaptan</th>
<th>aerobic</th>
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<tbody>
<tr>
<td>Result: Not readily biodegradable.</td>
<td></td>
</tr>
<tr>
<td>6 %</td>
<td></td>
</tr>
<tr>
<td>Testing period: 63 d</td>
<td></td>
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<tr>
<td>Method: OECD Test Guideline 301</td>
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Bioaccumulation

<table>
<thead>
<tr>
<th>t-Butyl Mercaptan</th>
<th>Bioconcentration factor (BCF): 12</th>
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</thead>
<tbody>
<tr>
<td>Bioaccumulation is unlikely.</td>
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</tbody>
</table>

Results of PBT assessment

<table>
<thead>
<tr>
<th>t-Butyl Mercaptan</th>
<th>Non-classified PBT substance, Non-classified vPvB substance</th>
</tr>
</thead>
</table>

Additional ecological information

Ecotoxicology Assessment

<table>
<thead>
<tr>
<th>Short-term (acute) aquatic hazard t-Butyl Mercaptan</th>
<th>Toxic to aquatic life.</th>
</tr>
</thead>
</table>
Long-term (chronic) aquatic hazard
- Butyl Mercaptan: 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)
UN2347, BUTYL MERCAPTAN, 3, II

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)
UN2347, BUTYL MERCAPTAN, 3, II, (-26 °C), MARINE POLLUTANT, (TERTIARY BUTYL MERCAPTAN)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)
UN2347, BUTYL MERCAPTAN, 3, II

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))
UN2347, BUTYL MERCAPTAN, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS, (TERTIARY BUTYL MERCAPTAN)

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSFER OF DANGEROUS GOODS (EUROPE))
UN2347, BUTYL MERCAPTAN, 3, II, ENVIRONMENTALLY HAZARDOUS, (TERTIARY BUTYL
**Tertiary Butyl Mercaptan**

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**MERCAPTAN**

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

UN2347, BUTYL MERCAPTAN, 3, II, ENVIRONMENTALLY HAZARDOUS, (TERTIARY BUTYL MERCAPTAN)

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

**SECTION 15: Regulatory information**

**National legislation**

**Poisonous and Deleterious Substances Control Law**

: Not applicable

**Industrial Safety and Health Law**

Substances Subject to be Notified Names : Not applicable

Enforcement Order of the Industrial Safety and Health Law - Attached table 1 (Dangerous Substances) : Inflammable Substance

Enforcement Order of the Industrial Safety and Health Law - Attached table 1 (Dangerous Substances) : Inflammable Substance

Harmful Substances Required Permission for Manufacture : Not applicable

Hazardous Substances Subject to Labeling Requirements : Not applicable

Ordinance on Prevention of Organic Solvent Poisoning : Not applicable

Ordinance on Prevention of Lead Poisoning : Not applicable

Harmful Substances Prohibited from Manufacture : Not applicable

Ordinance on Prevention of Hazards Due to Specified Chemical Substances : Not applicable

Ordinance on Prevention of Tetraalkyl Lead Poisoning : Not applicable

Substances Prevented From : Not applicable

**SDS Number:** 100000013356 12/14
## Tertiary Butyl Mercaptan

### Impairment of Health

**Listed**

### Chemical Substance Control Law

- Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

### Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof

- Not applicable

### Other regulations

- **Fire Service Law**: Flammable liquids
  - Type 1 petroleums
  - Hazardous rank II

- **High Pressure Gas Safety Act**: Not applicable

- **Explosive Control Law**: Not applicable

- **Vessel Safety Law**: Flammable liquids (Article 2 and 3 of rules on shipping and storage of dangerous goods and its Attached Table 1)

- **Aviation Law**: Flammable liquid (Article 194 of The Enforcement Rules of Aviation Law and its Attached Table 1)

### Notification status

<table>
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<tr>
<th>Country</th>
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<tr>
<td>Europe REACH</td>
<td>On the inventory, or in compliance with the inventory</td>
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<td>United States of America (USA)</td>
<td>On the inventory, or in compliance with the inventory</td>
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<td>TSCA</td>
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<td>Canada DSL</td>
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<td>Australia AICS</td>
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<td>China IECSC</td>
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</table>

### SECTION 16: Other information

#### Further information

- **Legacy SDS Number**: 95900

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

<table>
<thead>
<tr>
<th>Key or Legend</th>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Government Industrial Hygienists</td>
<td>LD50</td>
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<tr>
<td>AICS</td>
<td>Australia, Inventory of Chemical Substances</td>
<td>LOAEL</td>
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<tr>
<td>DSL</td>
<td>Canada, Domestic Substances List</td>
<td>NFPA</td>
</tr>
<tr>
<td>NDSL</td>
<td>Canada, Non-Domestic Substances List</td>
<td>NIOSH</td>
</tr>
<tr>
<td>CNS</td>
<td>Central Nervous System</td>
<td>NTP</td>
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<tr>
<td>CAS</td>
<td>Chemical Abstract Service</td>
<td>NZIoC</td>
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<td>EC50</td>
<td>Effective Concentration</td>
<td>NOAEL</td>
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<td>EGEST</td>
<td>EOSCA Generic Exposure Scenario Tool</td>
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<td>EOSCA</td>
<td>European Oilfield Specialty Chemicals Association</td>
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<td>EINECS</td>
<td>European Inventory of Existing Chemical Substances</td>
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<td>Germany Maximum Concentration Values</td>
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<td>IC50</td>
<td>Inhibition Concentration 50%</td>
<td>SARA</td>
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<td>IARC</td>
<td>International Agency for Research on Cancer</td>
<td>TLV</td>
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<td>ENCS</td>
<td>Japan, Inventory of Existing and New Chemical Substances</td>
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<td>Korea, Existing Chemical Inventory</td>
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<td>LC50</td>
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SDS Number: 100000013356