SAFETY DATA SHEET

Orfom® MCO (Flotation Oil)

Version 2.7                 Revision Date 2019-05-09

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: Orfom® MCO (Flotation Oil)
Material: 1119702, 1119671, 1119669, 1119668, 1119693, 1119692, 1119650, 1117263, 1114151, 1108013, 1104301, 1096190, 1086158, 1016847, 1016846

Use: Mineral Processing Aide

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

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 Labeling: Follow GB 13690, GB 15258 and GB 30000.2 to GB 30000.29 (GHS 2011)

Emergency Overview

Physical state: Liquid  Color: Black  Odor: Mild

SDS Number: 100000013323
# SAFETY DATA SHEET

**Orfom® MCO (Flotation Oil)**

**Version 2.7**

**Revision Date 2019-05-09**

## Hazards

Flammable liquid and vapor. May be harmful if swallowed. Causes skin irritation. May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

## Classification

- **Flammable liquids, Category 3**
- **Acute toxicity, Category 5, Oral**
- **Skin corrosion/irritation, Category 2**
- **Carcinogenicity, Category 1B**
- **Reproductive toxicity, Category 2**
- **Specific target organ systemic toxicity - repeated exposure, Category 2**
- **Blood, Liver, thymus gland**
- **Aspiration hazard, Category 1**
- **Short-term (acute) aquatic hazard, Category 1**
- **Long-term (chronic) aquatic hazard, Category 1**

## Labeling

**Symbol(s):**

![symbol1] (Flame)

![symbol2] (Person)

![symbol3] (Exclamation)

![symbol4] (Tree)

**Signal Word:** Danger

**Hazard Statements:**

- H226: Flammable liquid and vapor.
- H303: May be harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H350: May cause cancer.
- H361: Suspected of damaging fertility or the unborn child.
- H373: May cause damage to organs (Blood, Liver, thymus gland) through prolonged or repeated exposure.
- H410: Very toxic to aquatic life with long lasting effects.

## Precautionary Statements

**Prevention:**

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- 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.
- P260: Do not breathe dust/fume/gas/mist/vapor/spray.
- P264: Wash skin thoroughly after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

- P301 + P310: IF SWALLOWED: Immediately call a POISON...
**SAFETY DATA SHEET**

**Orfom® MCO (Flotation Oil)**

Version 2.7  
Revision Date 2019-05-09

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

**Synonyms**: Collector  
**Molecular formula**: Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No. / EINECS-No.</th>
<th>Concentration [wt%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decant (clarified) Oils</td>
<td>64741-62-4</td>
<td>0 - 80</td>
</tr>
<tr>
<td>Light Cycle Oil</td>
<td>64741-59-9</td>
<td>0 - 80</td>
</tr>
</tbody>
</table>

**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**: Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.

**In case of skin contact**: If skin irritation persists, call a physician. 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.

**SDS Number**: 100000013323  
3/13
SECTION 5: Firefighting measures

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>43 °C (110 °F)</td>
</tr>
<tr>
<td>Method</td>
<td>PMCC</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Suitable extinguishing media</td>
<td>Carbon dioxide (CO2)</td>
</tr>
<tr>
<td>Unsuitable extinguishing media</td>
<td>High volume water jet</td>
</tr>
<tr>
<td>Specific hazards during fire fighting</td>
<td>Do not allow run-off from fire fighting to enter drains or water courses.</td>
</tr>
<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. Keep away from open flames, hot surfaces and sources of ignition.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Carbon oxides. Sulfur oxides.</td>
</tr>
</tbody>
</table>

SECTION 6: Accidental release measures

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal precautions</td>
<td>Use personal protective equipment. Ensure adequate ventilation.</td>
</tr>
<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). Keep in suitable, closed containers for disposal.</td>
</tr>
</tbody>
</table>

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. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

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

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: Mineral Processing Aid

SECTION 8: Exposure controls/personal protection

Engineering measures

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. 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 according to the amount and concentration of the dangerous substance at the work place. Wear as appropriate: Flame retardant protective clothing. 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
Physical state: Liquid
Color: Black
Odor: Mild

Safety data
Flash point: 43 °C (110 °F)
   Method: PMCC
Lower explosion limit: No data available
Upper explosion limit: No data available
Autoignition temperature: No data available
Molecular formula: Mixture
Molecular weight: Not applicable
pH: Not applicable
Pour point: No data available

Boiling point/boiling range: 165 - 538 °C (329 - 1,000 °F)
Vapor pressure: 1.00 MMHG
   at 21 °C (70 °F)
   estimated
Relative density: 0.985
   at 15.6 °C (60.1 °F)

Water solubility: Negligible
Partition coefficient: n-octanol/water: No data available
Viscosity, kinematic: 35 - 45 cSt
   at 25 °C (77 °F)
Relative vapor density: 3
   (Air = 1.0)
Evaporation rate: 1
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

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.

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

Hazardous decomposition products: Carbon oxides

Sulfur oxides

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

SECTION 11: Toxicological information

Orfom® MCO (Flotation Oil)
Acute oral toxicity: 3,678 mg/kg
Method: Acute toxicity estimate

Acute toxicity estimate: 2,500 mg/kg
Method: Calculation method

Orfom® MCO (Flotation Oil)
Acute inhalation toxicity: > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Acute toxicity estimate

Acute toxicity estimate: 2.72 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Orfom® MCO (Flotation Oil)
Acute dermal toxicity: > 2,000 mg/kg
Method: Acute toxicity estimate
**Orfom® MCO (Flotation Oil)**

**Skin irritation**
- Irritating to skin.

**Eye irritation**
- Vapors may cause irritation to the eyes, respiratory system and the skin.

**Sensitization**
- Contains no substance or substances classified as sensitizing. Information refers to the main ingredient.

**Repeated dose toxicity**

### Decant (clarified) Oils
- **Species:** Rat
- **Application Route:** Dermal
- **Dose:** 0, 8, 30, 125, 500 mg/kg
- **Exposure time:** 13 wk
- **Lowest observable effect level:** 8 mg/kg
- **Target Organs:** Liver

### Light Cycle Oil
- **Species:** Rat, males
- **Sex:** males
- **Application Route:** Dermal
- **Dose:** 0, 8, 25, 125, 500, 1250 mg/kg
- **Exposure time:** 90 day
- **Number of exposures:** 5 days/wk
- **NOEL:** 25 mg/kg
- **Target Organs:** Blood, Liver, Thymus

- **Species:** Rat, females
- **Sex:** females
- **Application Route:** Dermal
- **Dose:** 0, 8, 25, 125, 500, 1250 mg/kg
- **Exposure time:** 90 day
- **Number of exposures:** 5 days/wk
- **NOEL:** 125 mg/kg
- **Target Organs:** Blood, Liver, Thymus

**Genotoxicity in vitro**

### Decant (clarified) Oils
- **Test Type:** Modified Ames test
  - **Result:** positive
- **Test Type:** Mouse lymphoma assay
  - **Result:** positive
- **Test Type:** Sister Chromatid Exchange Assay
  - **Result:** positive
- **Test Type:** Unscheduled DNA synthesis assay
  - **Result:** positive
- **Test Type:** Cell transformation assay
  - **Result:** Ambiguous

### Light Cycle Oil
- **Test Type:** Modified Ames test
  - **Result:** positive
Test Type: Mouse lymphoma assay  
Result: positive

Test Type: Sister Chromatid Exchange Assay  
Result: negative

Genotoxicity in vivo
Decant (clarified) Oils  
Test Type: Sister Chromatid Exchange Assay  
Result: positive

Light Cycle Oil  
Test Type: Cytogenetic assay  
Result: negative

Reproductive toxicity
Decant (clarified) Oils  
Suspected of damaging fertility or the unborn child.

Developmental Toxicity
Decant (clarified) Oils  
Species: Rat  
Application Route: Dermal  
Dose: 0, 0.05, 1, 50, 250 mg/kg/bw/d  
Exposure time: 6h/d  
Number of exposures: daily  
Test period: GD 0-19  
NOAEL Teratogenicity: 0.05 mg/kg  
NOAEL Maternal: 0.05 mg/kg  
Suspected of damaging fertility or the unborn child.

Light Cycle Oil  
Species: Rat  
Application Route: Dermal  
Dose: 1, 50, 250 mg/kg/d  
Number of exposures: once daily  
Test period: GD 0-19  
Method: OECD Guideline 414  
NOAEL Teratogenicity: 1 mg/kg  
NOAEL Maternal: 1 mg/kg

Orfom® MCO (Flotation Oil)
Aspiration toxicity  
May be fatal if swallowed and enters airways.

CMR effects
Decant (clarified) Oils  
Carcinogenicity: Possible human carcinogen  
Reproductive toxicity: Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

Light Cycle Oil  
Carcinogenicity: Possible human carcinogen

Orfom® MCO (Flotation Oil)
Further information  
Solvents may degrease the skin. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
SECTION 12: Ecological information

Toxicity to fish

Decant (clarified) Oils: LL50: 79 mg/l
Exposure time: 96 h
semi-static test Method: OECD Test Guideline 203
Information given is based on data obtained from similar substances.

Light Cycle Oil: LL50: > 0.3 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)
semi-static test Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates

Decant (clarified) Oils: EL50: 0.22 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
static test Method: OECD Test Guideline 202

Light Cycle Oil: EL50: 0.32 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Immobilization Method: OECD Test Guideline 202

Toxicity to algae

Decant (clarified) Oils: EL50: 0.32 mg/l
Exposure time: 72 h
static test Method: OECD Test Guideline 201

Light Cycle Oil: EL50: 0.51 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Growth inhibition Method: OECD Test Guideline 201

M-Factor
Clarified oils (petroleum), catalytic cracked: M-Factor (Acute Aquat. Tox.) 1
M-Factor (Chron. Aquat. Tox.) 1

M-Factor
Distillates (petroleum), light catalytic cracked: M-Factor (Acute Aquat. Tox.) 1
M-Factor (Chron. Aquat. Tox.) 1

Biodegradability: This material is not expected to be readily biodegradable.

Elimination information ( persistence and degradability)
<table>
<thead>
<tr>
<th>Results of PBT assessment</th>
<th>Decant (clarified) Oils: Non-classified PBT substance, Non-classified vPvB substance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Light Cycle Oil: Non-classified PBT substance, Non-classified vPvB substance</td>
</tr>
<tr>
<td>Additional ecological</td>
<td></td>
</tr>
<tr>
<td>information</td>
<td></td>
</tr>
</tbody>
</table>

**Ecotoxicology Assessment**

**Short-term (acute) aquatic hazard**
- Decant (clarified) Oils: Very toxic to aquatic life.
- Light Cycle Oil: Very toxic to aquatic life.

**Long-term (chronic) aquatic hazard**
- Decant (clarified) Oils: Very toxic to aquatic life with long lasting effects.
- Light Cycle Oil: 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)**
- UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**
UN1268, PETROLEUM DISTILLATES, N.O.S., (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL), 3, III, (43 °C), MARINE POLLUTANT, (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)
UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))
UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS, (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL)

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))
UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS, (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL)

ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)
UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, ENVIRONMENTALLY HAZARDOUS, (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL)

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

SECTION 15: Regulatory information

Notification status
Europe REACH : Not in compliance with the inventory
United States of America (USA) TSCA : On TSCA Inventory
Canada DSL : All components of this product are on the Canadian DSL
Australia AICS : On the inventory, or 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 : On the inventory, or in compliance with the inventory
Philippines PICCS : Not in compliance with the inventory
China IECSC : On the inventory, or in compliance with the inventory

Further information

Legacy SDS Number: 59730

Local emergency contact number: 0532-83889090

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