SAFETY DATA SHEET

Philflo® 50 Flotation Oil

Version 1.3

Revision Date 2018-04-27

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

Product information

Product Name : Philflo® 50 Flotation Oil
Material : 1095007, 1095802, 1094947, 1117770

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
This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

Classification

- Flammable liquids, Category 4
- Skin 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

SDS Number:100000100292
Philflo® 50 Flotation Oil

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Labeling

Symbol(s):

Signal Word: Danger

Hazard Statements:

H227: Combustible liquid.
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.

Precautionary Statements:

Prevention:

P201 Obtain special instructions before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapor/spray.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

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

Disposal:

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

Carcinogenicity:

IARC

Group 2B: Possibly carcinogenic to humans
Decant (clarified) Oils 64741-62-4
Light Cycle Oil 64741-59-9

NTP

Known to be human carcinogen
Light Cycle Oil 64741-59-9
SECTION 3: Composition/information on ingredients

Synonyms: Flotation Oil
Molecular formula: Mixture

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Weight %</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.

SECTION 5: Firefighting measures

Flash point: 91 °C (196 °F) Method: PMCC
Autoignition temperature: No data available

Suitable extinguishing media: Carbon dioxide (CO2).
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
**Philflo® 50 Flotation Oil**

Version 1.3  
Revision Date 2018-04-27

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fire and explosion protection</strong></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><strong>Hazardous decomposition products</strong></td>
<td>Carbon oxides. Sulfur oxides.</td>
</tr>
</tbody>
</table>

### SECTION 6: Accidental release measures

<table>
<thead>
<tr>
<th>Precaution</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal precautions</strong></td>
<td>Use personal protective equipment. Ensure adequate ventilation.</td>
</tr>
<tr>
<td><strong>Environmental precautions</strong></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><strong>Methods for cleaning up</strong></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

<table>
<thead>
<tr>
<th>Advice on safe handling</th>
<th>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.</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. Keep away from open flames, hot surfaces and sources of ignition.</td>
</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>Engineering measures</th>
<th></th>
</tr>
</thead>
</table>
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.

**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: 91 °C (196 °F)
  Method: PMCC
- Lower explosion limit: No data available
- Upper explosion limit: No data available
- Autoignition temperature: No data available
### Thermal decomposition
- 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

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

##### 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
- Carbon oxides
- Sulfur oxides

##### Other data
- No decomposition if stored and applied as directed.
### Section 11: Toxicological Information

**Philflo® 50 Flotation Oil**

**Acute oral toxicity**
- Acute toxicity estimate: 3,678 mg/kg

**Acute inhalation toxicity**
- Acute toxicity estimate: > 5 mg/l
  - Exposure time: 4 h
  - Test atmosphere: dust/mist

**Acute dermal toxicity**
- Acute toxicity estimate: > 2,000 mg/kg

**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

#### 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

### 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

### Philflo® 50 Flotation Oil

**Aspiration toxicity**  
May be fatal if swallowed and enters airways.

### Further information

Philflo® 50 Flotation Oil  
Solvents may degrease the skin. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

### 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

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

**Elimination information (persistence and degradability)**
Biodegradability: This material is not expected to be readily biodegradable.

**Ecotoxicology Assessment**

**Acute aquatic toxicity**
Decant (clarified) Oils: Very toxic to aquatic life.
Light Cycle Oil: Very toxic to aquatic life.

**Chronic aquatic toxicity**
Decant (clarified) Oils: Very toxic to aquatic life with long lasting effects.
Light Cycle Oil: Very toxic to aquatic life with long lasting effects.

**Results of PBT assessment**
Decant (clarified) Oils: Non-classified PBT substance, Non-classified vPvB substance
Light Cycle Oil: Non-classified PBT substance, Non-classified vPvB substance

**Additional ecological information**: 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., COMBUSTIBLE LIQUID, III

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL), 9, III, (91 °C), MARINE POLLUTANT, (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)
UN3334, AVIATION REGULATED LIQUID, N.O.S., (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL), 9, III

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL), 9, III

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL), 9, III

ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE)
Philflo® 50 Flotation Oil

Version 1.3

OF DANGEROUS GOODS BY INLAND WATERWAYS)
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (DECANT (CLARIFIED) OILS, LIGHT CYCLE OIL), 9, III

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

SECTION 15: Regulatory information

National legislation

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO – KNOW

CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.

SARA 302 Reportable Quantity : This material does not contain any components with a SARA 302 RQ.

SARA 302 Threshold Planning Quantity : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

SARA 313 Ingredients : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

**US State Regulations**

Pennsylvania Right To Know

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decant (clarified) Oils</td>
<td>64741-62-4</td>
</tr>
<tr>
<td>Light Cycle Oil</td>
<td>64741-59-9</td>
</tr>
</tbody>
</table>

California Prop. 65

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>WARNING! This product contains a chemical known in the State of California to cause cancer.</td>
<td></td>
</tr>
</tbody>
</table>

**Notification status**

<table>
<thead>
<tr>
<th>Region</th>
<th>Status</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe REACH</td>
<td>Not in compliance with the inventory</td>
<td></td>
</tr>
<tr>
<td>United States of America (USA) TSCA</td>
<td>On TSCA Inventory</td>
<td></td>
</tr>
<tr>
<td>Canada DSL</td>
<td>All components of this product are on the Canadian DSL</td>
<td></td>
</tr>
<tr>
<td>Australia AICS</td>
<td>On the inventory, or in compliance with the inventory</td>
<td></td>
</tr>
<tr>
<td>New Zealand NZIoC</td>
<td>Not in compliance with the inventory</td>
<td></td>
</tr>
<tr>
<td>Japan ENCS</td>
<td>On the inventory, or in compliance with the inventory</td>
<td></td>
</tr>
<tr>
<td>Korea KECI</td>
<td>On the inventory, or in compliance with the inventory</td>
<td></td>
</tr>
<tr>
<td>Philippines PICCS</td>
<td>Not in compliance with the inventory</td>
<td></td>
</tr>
<tr>
<td>China IECSC</td>
<td>On the inventory, or in compliance with the inventory</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION 16: Other information**

<table>
<thead>
<tr>
<th>NFPA Classification</th>
<th>Health Hazard: 2</th>
<th>Fire Hazard: 2</th>
<th>Reactivity Hazard: 0</th>
</tr>
</thead>
</table>

**Further information**

Legacy SDS Number : 59730

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