SAFETY DATA SHEET

n-Dodecyl Mercaptan
Version 4.14
Revision Date 2019-10-23


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

1.1

Product information

Product Name : n-Dodecyl Mercaptan
Material : 1124172, 1122303, 1111421, 1021557, 1086421, 1071323, 1086420, 1086419, 1024819, 1024820, 1021558, 1021567, 1021568, 1021571, 1021572, 1021573, 1021574, 1021575, 1033862, 1032614, 1021566, 1021570

EC-No. Registration number

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No. EC-No. Index No.</th>
<th>Legal Entity Registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Dodecyl Mercaptan</td>
<td>112-55-0 203-984-1</td>
<td>Chevron Phillips Chemicals International NV 01-2119491318-31-0000</td>
</tr>
</tbody>
</table>

1.2

Relevant identified uses of the substance or mixture and uses advised against

Relevant Identified Uses Supported : Intermediate: The substance is registered as a Transported Isolated Intermediate with Strictly Controlled Conditions (SCC) defined in Article 18(4) of Regulation EC No. 1907/2006 and must therefore be handled as such. The substance has been registered as Normal Substance for the use as Intermediate under non-Strictly controlled conditions (Maximum tonnage 10mt/y)

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

SDS Number:100000068622 1/14
 SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Classification</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion, Sub-category 1C</td>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>Serious eye damage, Category 1</td>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>Skin sensitization, Category 1</td>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Short-term (acute) aquatic hazard, Category 1</td>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>Long-term (chronic) aquatic hazard, Category 1</td>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

2.2 Labeling (REGULATION (EC) No 1272/2008)

<table>
<thead>
<tr>
<th>Hazard pictograms</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="danger_icon.png" alt="Signal Word" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Prevention</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danger</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td></td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td></td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>
SECTION 3: Composition/information on ingredients

3.1 - 3.2 Substance or Mixture

Synonyms:
- Normal Dodecyl Mercaptan
- 1-dodecanethiol
- NDDM
dodecanethiol

Molecular formula: C12H26S

Hazardous ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Dodecyl Mercaptan</td>
<td>112-55-0</td>
<td>Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410</td>
<td>98.5</td>
</tr>
<tr>
<td></td>
<td>203-984-1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
## n-Dodecyl Mercaptan

**Version 4.14**  
**Revision Date 2019-10-23**

### Section 1: Personal and Emergency Procedures
- **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.

### Section 5: Firefighting measures

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash point</strong></td>
<td>133 °C (271 °F)</td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td>230 °C (446 °F)</td>
</tr>
</tbody>
</table>

#### 5.1 Extinguishing media

- 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.

- Fire and explosion protection: Normal measures for preventive fire protection.


### Section 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions: Use personal protective equipment. Ensure adequate ventilation.

---

**SDS Number:** 100000068622  
4/14
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 Methods and materials for containment and cleaning up

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Reference to other sections: For personal protection see section 8. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling

Advice on safe handling: 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. To avoid spills during handling keep bottle on a metal tray. 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: Normal measures for preventative fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements for storage areas and containers: 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

8.1 Control parameters

Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>PT</th>
<th>Componentes</th>
<th>Bases</th>
<th>Valor</th>
<th>Parâmetros de controlo</th>
<th>Nota</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Dodecyl Mercaptan</td>
<td>PT OEL</td>
<td>VLE-MP</td>
<td>0.1 ppm.</td>
<td>SC, irritação do TRS.</td>
<td></td>
</tr>
</tbody>
</table>

SDS Number:10000068622 5/14
n-Dodecyl Mercaptan

Version 4.14

Revision Date 2019-10-23

irritação do TRS
SC Agente com potencial para produzir sensibilização pela via cutânea

ES

Componentes | Base | Valor | Parâmetros de controle | Nota
--- | --- | --- | --- | ---
n-Dodecyl Mercaptan | ES VLA | VLA-ED | 0,1 ppm, | |

BE

Bestanddelen | Basis | Waarde | Controleparameters | Opmerking
--- | --- | --- | --- | ---
n-Dodecyl Mercaptan | BE OEL | TGG 8 hr | 0,1 ppm, 0,84 mg/m3 | |

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 Dusts and Mists. 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.

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: Remove and wash contaminated clothing before re-use. Skin should be washed after contact. 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.

In case of an accident during maintenance/cleaning, this substance must be handled under Strictly Controlled Conditions (SCC) in accordance with REACH regulation Article 18(4) for transported isolated intermediates.
9.1 Information on basic physical and chemical properties

Appearance
Physical state: Liquid
Color: Colorless
Odor: Repulsive

Safety data
Flash point: 133 °C (271 °F)
Lower explosion limit: No data available
Upper explosion limit: No data available
Oxidizing properties: no

Autoignition temperature: 230 °C (446 °F)
Molecular formula: C12H26S
Molecular weight: 202,44 g/mol
pH: Not applicable
Pour point: No data available

Boiling point/boiling range: 270 °C (518 °F)
Vapor pressure: 0,00 mbar at 25 °C (77 °F)
Relative density: No data available
Water solubility: 0,0054 mg/l Method: OECD Test Guideline 105
Partition coefficient: n-octanol/water: No data available
Viscosity, dynamic: 2,98 cP at 25 °C (77 °F)
Relative vapor density: 1 (Air = 1.0)
Evaporation rate: No data available

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

10.4 Conditions to avoid: Heat, sparks, fire, and oxidizing agents.

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

10.6 Hazardous decomposition products: Carbon oxides
      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
n-Dodecyl Mercaptan: LD50: > 5,000 mg/kg
      Species: Rat
      Sex: male

Acute inhalation toxicity
n-Dodecyl Mercaptan: > 3,10 mg/l
      Exposure time: 4,5 h
      Species: Rat
      Sex: male and female
      Test atmosphere: vapor
      Method: OECD Test Guideline 403
      Information given is based on data obtained from similar substances.

Skin irritation
n-Dodecyl Mercaptan

Eye irritation
n-Dodecyl Mercaptan : Irreversible effects on the eye

Sensitization
n-Dodecyl Mercaptan : The product is a skin sensitizer, sub-category 1A.

Repeated dose toxicity
n-Dodecyl Mercaptan : Species: Rat
Application Route: Inhalation
Dose: 0, 0.43, 1.6, 7.3 ppm
Exposure time: 4 wk
NOEL: 0.01 mg/l 1.7 ppm
Lowest observable effect level: 0.06 mg/l 7.3 ppm
Target Organs: Skin

Species: Dog
Application Route: Inhalation
Dose: 0, 0.44, 1.7, 7.7 ppm
Exposure time: 4 wk
NOEL: 1.7 ppm
Lowest observable effect level: 7.7 ppm

Genotoxicity in vitro
n-Dodecyl Mercaptan : Test Type: Ames test
Result: negative

Test Type: Sister Chromatid Exchange Assay
Result: negative

Test Type: Mouse lymphoma assay
Result: negative

Genotoxicity in vivo
n-Dodecyl Mercaptan : Test Type: Mouse micronucleus assay
Species: Mouse
Dose: 1250, 2500, 5000 mg/kg

n-Dodecyl Mercaptan
Aspiration toxicity : May be harmful if swallowed and enters airways.

CMR effects
n-Dodecyl Mercaptan : Carcinogenicity: Not available
Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Teratogenicity: Animal testing did not show any effects on fetal development.
Reproductive toxicity: Animal testing did not show any effects on fertility.
n-Dodecyl Mercaptan

Further information: Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish
n-Dodecyl Mercaptan: LC50: > 100 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates
n-Dodecyl Mercaptan: EC50: 1 - 10 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

Toxicity to algae
n-Dodecyl Mercaptan: EC50: 0,0145 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Growth inhibition Method: OECD Test Guideline 201

M-Factor
dodecane-1-thiol: M-Factor (Acute Aquat. Tox.) 10
M-Factor (Chron. Aquat. Tox.) 10

12.2 Persistence and degradability

Biodegradability
n-Dodecyl Mercaptan: Result: Not readily biodegradable.
Method: OECD Test Guideline 301
Information given is based on data obtained from similar substances.

12.3 Bioaccumulative potential

Bioaccumulation
n-Dodecyl Mercaptan: Bioconcentration factor (BCF): 234
Method: Estimated based on individual component values.

12.4 Mobility in soil

12.5
n-Dodecyl Mercaptan

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: Very toxic to aquatic life with long lasting effects.

Ecotoxicology Assessment

Short-term (acute) aquatic hazard
n-Dodecyl Mercaptan: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard
n-Dodecyl Mercaptan: Very toxic to aquatic life with long lasting 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 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.

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)
UN1760, CORROSIVE LIQUIDS, N.O.S., (N-DODECYL MERCAPTAN), 8, III

SDS Number: 100000068622 11/14
n-Dodecyl Mercaptan

IMOM / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)
UN1760, CORROSIVE LIQUID, N.O.S., (N-DODECYL MERCAPTAN), 8, III, (133 °C), MARINE POLLUTANT, (N-DODECYL MERCAPTAN)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)
UN1760, CORROSIVE LIQUID, N.O.S., (N-DODECYL MERCAPTAN), 8, III

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))
UN1760, CORROSIVE LIQUID, N.O.S., (N-DODECYL MERCAPTAN), 8, III, (E), ENVIRONMENTALLY HAZARDOUS, (N-DODECYL MERCAPTAN)

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))
UN1760, CORROSIVE LIQUID, N.O.S., (N-DODECYL MERCAPTAN), 8, III, ENVIRONMENTALLY HAZARDOUS, (N-DODECYL MERCAPTAN)

ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)
UN1760, CORROSIVE LIQUID, N.O.S., (N-DODECYL MERCAPTAN), 8, III, ENVIRONMENTALLY HAZARDOUS, (N-DODECYL MERCAPTAN)

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

Other information : n- Dodecyl Mercaptan, S.T. 1, Cat. X

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National legislation
Water contaminating class (Germany) : WGK 3 highly water endangering

15.2 Chemical Safety Assessment
Components : dodecane-1-thiol A Chemical Safety Assessment is not required for this substance.

Major Accident Hazard Legislation : 96/82/EC Update: 2003
9a Dangerous for the environment Quantity 1: 100 t Quantity 2: 200 t
n-Dodecyl Mercaptan

ENVIRONMENTAL HAZARDS

Notification status

- **Europe REACH**: This product is in full compliance according to REACH regulation 1907/2006/EC.
- **Switzerland CH INV**: On the inventory, or 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**: On the inventory, or 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

SECTION 16: Other information

**NFPA Classification**
- Health Hazard: 3
- Fire Hazard: 1
- Reactivity Hazard: 0

Further information

- Legacy SDS Number: 460130

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>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>
</tr>
<tr>
<td>EGEST</td>
<td>EOSCA Generic Exposure Scenario Tool</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety &amp; Health Administration</td>
</tr>
<tr>
<td>EOSCA</td>
<td>European Oilfield Specialty Chemicals Association</td>
</tr>
<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>
</tr>
<tr>
<td>MAK</td>
<td>Germany Maximum Concentration Values</td>
</tr>
<tr>
<td>PRNT</td>
<td>Presumed Not Toxic</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System</td>
</tr>
<tr>
<td>RCRA</td>
<td>Resource Conservation Recovery Act</td>
</tr>
<tr>
<td>&gt;=</td>
<td>Greater Than or Equal To</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-term Exposure Limit</td>
</tr>
<tr>
<td>IC50</td>
<td>Inhibition Concentration 50%</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act.</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>IECSC</td>
<td>Inventory of Existing Chemical Substances in China</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
<tr>
<td>ENCS</td>
<td>Japan, Inventory of Existing and New Chemical Substances</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substance Control Act</td>
</tr>
<tr>
<td>KECl</td>
<td>Korea, Existing Chemical Inventory</td>
</tr>
<tr>
<td>UVCB</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>
</table>

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

- **H314**: Causes severe skin burns and eye damage.
- **H317**: May cause an allergic skin reaction.
- **H318**: Causes serious eye damage.
- **H400**: Very toxic to aquatic life.
- **H410**: Very toxic to aquatic life with long lasting effects.