

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

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

Product Name : Di-(2-Hydroxyethyl) Disulfide  
Material : 1121425, 1116603, 1107391, 1088334, 1077080, 1070368,  
1079211, 1086445, 1086807, 1077079, 1097790, 1027449,  
1024827

**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

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

EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)

Belgium: 070 245 245 (24 hours/day, 7 days/week)

Bulgaria: +359 2 9154 233

Croatia: +3851 2348 342 (24 hours/day, 7 days/week)

Cyprus: 1401

Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402

Denmark: Danish Poison Center (Gifflinjen): +45 8212 1212

Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Finland: 0800 147 111 09 471 977 (24 hours/day)

France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week)

Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Greece: (0030) 2107793777 (24 hours/day, 7 days/week)

Hungary: +36-80-201-199 (24 hours/day, 7 days/week)

Iceland: 543 2222 (24 hours/day, 7 days/week)

Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Italy: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.)

Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Lithuania: +370 (85) 2362052

Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week)

Malta: +356 2395 2000

The Netherlands: NVIC: +31 (0)88 755 8000

Norway: 22 59 13 00 (24 hours/day, 7 days/week)

Poland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Portugal: CIAV phone number: +351 800 250 250

Romania: +40213183606

Slovakia: +421 2 5477 4166

Slovenia: Phone number: 112

Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week)

Sweden: 112 – ask for Poisons Information

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**

: Acute toxicity, Category 3, Oral  
 Acute toxicity, Category 3, Dermal  
 Eye irritation, Category 2A  
 Skin sensitization, Category 1  
 Specific target organ toxicity - repeated exposure, Category 2,  
 Oral, Kidney, Liver

**Labeling**

Symbol(s)



Signal Word

: Danger

Hazard Statements

: H301 + H311: Toxic if swallowed or in contact with skin.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H373: May cause damage to organs (Kidney, Liver) through prolonged or repeated exposure if swallowed.

Precautionary Statements

: **Prevention:**  
 P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

**Response:**

P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.

P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

**Disposal:**

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

**Carcinogenicity:****IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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

Synonyms : Dithiodiglycol  
DiHEDS

Molecular formula : C4H10O2S2

Component	CAS-No.	Weight %
Dithiodiglycol	1892-29-1	88

**SECTION 4: 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 : If on skin, rinse well with water.

In case of eye contact : Immediately flush eye(s) with plenty of water. 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. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

**SECTION 5: Firefighting measures**

Flash point	:	Not applicable
Autoignition temperature	:	285°C (545°F) Method: EU Method A.15
Unsuitable extinguishing media	:	High volume water jet.
Specific hazards during fire fighting	:	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.
Fire and explosion protection	:	Normal measures for preventive fire protection.
Hazardous decomposition products	:	Carbon oxides. Sulfur oxides.

**SECTION 6: Accidental release measures**

Personal precautions	:	Use personal protective equipment.
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	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and storage****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. 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.
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**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

**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****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:. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, aerosolization, 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:. Personal protection through wearing a tightly closed chemical protection suit and a self-contained breathing apparatus. Remove and wash contaminated clothing before re-use. Skin should be washed after contact. Footwear protecting against chemicals.

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

Hygiene measures : Avoid contact with skin, eyes and clothing. When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**

Form : liquid  
 Physical state : liquid  
 Color : Colorless to light yellow  
 Odor : Pungent

**Safety data**

Flash point : Not applicable

Lower explosion limit : No data available

Upper explosion limit : No data available

Oxidizing properties : No

Autoignition temperature : 285°C (545°F)  
 Method: EU Method A.15

Molecular formula : C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>S<sub>2</sub>

Molecular weight : 154.26 g/mol

pH : Not applicable

Freezing point : 5°C (41°F)

Boiling point/boiling range : Not applicable

Vapor pressure : 0.00 Pa  
 at 37.8°C (100.0°F)  
 Method: OECD Test Guideline 104  
 estimated

Relative density : 1.25  
 at 15.6 °C (60.1 °F)

Density : 1.29 G/ML

Water solubility : > 1,000 g/l  
 at 20°C (68°F)  
 Method: OECD Test Guideline 105

Partition coefficient: n-octanol/water : log Pow: -0.3  
 at 20°C (68°F)  
 Method: OECD Test Guideline 107

Viscosity, kinematic : 50 cSt

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

	at 40°C (104°F)
Relative vapor density	: 2.69 (Air = 1.0)
Evaporation rate	: No data available
Percent volatile	: > 99 %

**SECTION 10: Stability and reactivity**

<b>Reactivity</b>	: Stable under recommended storage conditions.
<b>Chemical stability</b>	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Possibility of hazardous reactions</b>	
<b>Hazardous reactions</b>	: Hazardous reactions: Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	: No data available.
<b>Materials to avoid</b>	: Avoid oxidizing agents.
<b>Hazardous decomposition products</b>	: Carbon oxides Sulfur oxides
<b>Other data</b>	: No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information**

<b>Acute oral toxicity</b>	
Dithiodiglycol	: LD50: 376 mg/kg Species: Rat Sex: male Method: OECD Test Guideline 401
	: LD50: 173 mg/kg Species: Rat Sex: female Method: OECD Test Guideline 401
<b>Acute dermal toxicity</b>	
Dithiodiglycol	: LD50: 516 mg/kg Species: Rabbit Sex: male and female Method: OECD Test Guideline 402

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

**Skin irritation**

Dithiodiglycol : No skin irritation

**Eye irritation**

Dithiodiglycol : Eye irritation

**Sensitization**

Dithiodiglycol : The product is a skin sensitizer, sub-category 1B.

**Repeated dose toxicity**

Dithiodiglycol : Species: Rat, male  
Sex: male  
Application Route: oral gavage  
Dose: 0, 5, 20, 75 mg/kg  
Exposure time: 30 d  
Number of exposures: Daily  
NOEL: 20 mg/kg  
Lowest observable effect level: 75 mg/kg  
Method: OECD Guideline 422  
Target Organs: Kidney, Liver

Species: Rat, female  
Sex: female  
Application Route: oral gavage  
Dose: 0, 5, 20, 75 mg/kg  
Exposure time: 42 d  
Number of exposures: Daily  
NOEL: 20 mg/kg  
Method: OECD Guideline 422

**Genotoxicity in vitro**

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

Test Type: Chromosome aberration test in vitro  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative

Test Type: Mouse lymphoma assay  
Metabolic activation: with and without metabolic activation  
Result: Ambiguous

**Genotoxicity in vivo**

Dithiodiglycol : Test Type: Mouse micronucleus assay  
Species: Mouse  
Route of Application: Oral  
Exposure time: 24 - 48 h



**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

Method: OECD Test Guideline 474  
Result: negative

**Reproductive toxicity**

Dithiodiglycol : Species: Rat  
Sex: male  
Application Route: oral gavage  
Dose: 0, 5, 20, 75 mg/kg bw  
Exposure time: 30 d  
Number of exposures: Daily  
Method: OECD Guideline 422  
NOAEL Parent: 20 mg/kg  
NOAEL F1: 20 mg/kg  
Fertility and developmental toxicity tests did not reveal any effect on reproduction.

Species: Rat  
Sex: female  
Application Route: oral gavage  
Dose: 0, 5, 20, 75 mg/kg bw  
Exposure time: 42 d  
Number of exposures: Daily  
Method: OECD Guideline 422  
NOAEL Parent: 20 mg/kg  
NOAEL F1: 20 mg/kg  
Fertility and developmental toxicity tests did not reveal any effect on reproduction.

**Di-(2-Hydroxyethyl) Disulfide**  
**Aspiration toxicity** : No aspiration toxicity classification.

**Di-(2-Hydroxyethyl) Disulfide**  
**Further information** : Solvents may degrease the skin.

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

Dithiodiglycol : LC50: > 100 mg/l  
Exposure time: 96 h  
Species: Cyprinus carpio (Carp)  
static test Method: OECD Test Guideline 203

**Toxicity to daphnia and other aquatic invertebrates**

Dithiodiglycol : EC50: 4.4 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
static test Method: OECD Test Guideline 202

**Toxicity to algae**

Dithiodiglycol : ErC50: > 100 mg/l

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

Exposure time: 72 h  
 Species: Pseudokirchneriella subcapitata (algae)  
 Growth inhibition Method: OECD Test Guideline 201

EyC50: 45 mg/l  
 Exposure time: 72 h  
 Species: Pseudokirchneriella subcapitata (algae)  
 Growth inhibition Method: OECD Test Guideline 201

**Toxicity to bacteria**

Dithiodiglycol : EC50: 612 mg/l  
 Exposure time: 3 h  
 Growth rate  
 Species: Bacteria  
 Respiration inhibition  
 Method: OECD Test Guideline 209

**Biodegradability**

Dithiodiglycol : aerobic  
 Result: Not readily biodegradable.  
 20 %  
 Testing period: 28 d  
 Method: OECD Test Guideline 310

**Bioaccumulation**

Dithiodiglycol : No bioaccumulation is to be expected (log Pow <= 4).

**Mobility**

Dithiodiglycol : No data available

Additional ecological information : Toxic to aquatic life with long lasting effects.

**Ecotoxicology Assessment**

Short-term (acute) aquatic hazard  
 Dithiodiglycol : Toxic to aquatic life.

Long-term (chronic) aquatic hazard  
 Dithiodiglycol : Toxic to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations**

The information in this SDS pertains only to the product as shipped.

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

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**

**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)**

UN2810, TOXIC, LIQUIDS, ORGANIC, N.O.S., (DITHIODIGLYCOL), 6.1, III

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

UN2810, TOXIC LIQUID, ORGANIC, N.O.S., (DITHIODIGLYCOL), 6.1, III, MARINE POLLUTANT, (DITHIODIGLYCOL)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

UN2810, TOXIC LIQUID, ORGANIC, N.O.S., (DITHIODIGLYCOL), 6.1, III

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

UN2810, TOXIC LIQUID, ORGANIC, N.O.S., (DITHIODIGLYCOL), 6.1, III, (E), ENVIRONMENTALLY HAZARDOUS, (DITHIODIGLYCOL)

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

60, UN2810, TOXIC LIQUID, ORGANIC, N.O.S., (DITHIODIGLYCOL), 6.1, III, ENVIRONMENTALLY HAZARDOUS, (DITHIODIGLYCOL)

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

UN2810, TOXIC LIQUID, ORGANIC, N.O.S., (DITHIODIGLYCOL), 6.1, III, ENVIRONMENTALLY HAZARDOUS, (DITHIODIGLYCOL)

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

**Maritime transport in bulk according to IMO instruments****SECTION 15: Regulatory information****National legislation**

- SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Respiratory or skin sensitization  
Specific target organ toxicity (single or repeated exposure)  
Serious eye damage or eye irritation
- 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** : This material does not contain any components with a section 302 EHS TPQ.
- SARA 304 Reportable Quantity** : This material does not contain any components with a section 304 EHS RQ.
- SARA 313 Components** : 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 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

**US State Regulations**

## Pennsylvania Right To Know

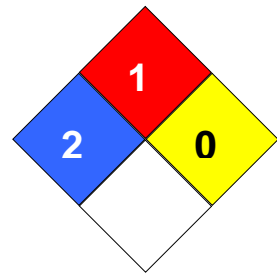
: Dithiodiglycol - 1892-29-1  
 Water - 7732-18-5

**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 or in compliance with the active portion of the TSCA inventory  
 Canada NDSL : This product contains one or several components that are not on the Canadian DSL nor NDSL.  
 Other AIC : On the inventory, or in compliance with the inventory  
 Korea KECI : A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance or the exported amount does not exceed the minimum threshold quantity of the non-registered substance(s).  
 Taiwan TCSI : On the inventory, or in compliance with the inventory

**SECTION 16: Other information**

**NFPA Classification** : Health Hazard: 2  
 Fire Hazard: 1  
 Reactivity Hazard: 0

**Further information**

Legacy SDS Number : 96130

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

**Di-(2-Hydroxyethyl) Disulfide**

Version 1.7

Revision Date 2022-08-12

guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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