



## mPAO Filtration Waste

Version 1.3

Revision Date 2022-08-08

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

#### Product information

Product Name : mPAO Filtration Waste

Use : Waste

Company : Chevron Phillips Chemical Company LP  
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 (Gifftlinjen): +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)

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

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

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**

: Eye irritation, Category 2A

**Labeling**

Symbol(s) :



Signal Word :

: Warning

Hazard Statements :

: H319: Causes serious eye irritation.

Precautionary Statements :

**Prevention:**  
 P264 Wash skin thoroughly after handling.  
 P280 Wear eye protection/ face protection.  
**Response:**  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.

**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.

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

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

Component	CAS-No.	Weight %
Diatomaceous Earth	61790-53-2	10 - 40
1-Octene	111-66-0	5 - 10
1-Octene Homopolymer	25068-25-1	10 - 20
Aluminum Oxide	1344-28-1	0 - 10
Treated aluminum silicate		0 - 10
Hexadecene, Branched	182636-01-7	0 - 1
Octenes	25377-83-7	0 - 1
Tetracosene, Branched	182636-05-1	0 - 1

**SECTION 4: First aid measures**

- General advice : Move out of dangerous area. 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 skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
- 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.

**SECTION 5: Firefighting measures**

- 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 : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

**SECTION 6: Accidental release measures**

- Personal precautions : Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
- 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 : Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and storage****Handling**

- Advice on safe handling : Avoid formation of respirable particles. Do not breathe vapors/dust. 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.
- Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

**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. Electrical installations / working materials must comply with the technological safety standards.
- Use : Waste

**SECTION 8: Exposure controls/personal protection****Ingredients with workplace control parameters****US**

Components	Basis	Value	Control parameters	Note
Diatomaceous Earth	OSHA Z-1-A	TWA	6 mg/m3	
	OSHA Z-3	TWA	20 Million particles per cubic foot	Dust
	OSHA Z-3	TWA	80 mg/m3 / %SiO2	Dust
	ACGIH	TWA	3 mg/m3	(E), Respirable particles
	ACGIH	TWA	10 mg/m3	Appendix B, Inhalable particles
1-Octene	US WEEL	TWA	75 ppm,	
Aluminum Oxide	OSHA Z-1	TWA	15 mg/m3	total dust
	OSHA Z-1	TWA	5 mg/m3	respirable fraction
	OSHA Z-1-A	TWA	10 mg/m3	Total dust
	OSHA Z-1-A	TWA	5 mg/m3	respirable dust fraction
	ACGIH	TWA	1 mg/m3	A4, Respirable particulate matter

(E) The value is for particulate matter containing no asbestos and &lt;1% crystalline silica.

A4 Not classifiable as a human carcinogen

Appendix B The goal of the TLV®-CS Committee is to recommend TLVs® for all substances for which there is evidence of health effects at airborne concentrations encountered in the workplace. When a sufficient body of evidence exists for a particular substance, a TLV® is established. Thus, by definition the substances covered by this recommendation are those for which little data exist. The recommendation at the end of this Appendix is supplied as a guideline rather than a TLV® because it is not possible to meet the standard level of evidence used to assign a TLV®. In addition, the PNOS TLV® and its predecessors have been misused in the past and applied to any unlisted particles rather than those meeting the criteria listed below. The recommendations in this Appendix

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

apply to particles that: - Do not have an applicable TLV®; - Are insoluble or poorly soluble in water (or, preferably, in aqueous lung fluid if data are available); and - Have low toxicity (i.e. are not cytotoxic, genotoxic or otherwise chemically reactive with lung tissue, and do not emit ionizing radiation, cause immune sensitization, or cause toxic effects other than by inflammation or the mechanism of 'lung overload'). ACGIH® believes that even biologically inert, insoluble, or poorly soluble particles may have adverse effects and recommends that airborne concentrations should be kept below 3 mg/m<sup>3</sup>, respirable particles, and 10 mg/m<sup>3</sup>, inhalable particles, until such time as a TLV® is set for a particular substance.

**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 / P100. 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. Safety glasses.
- 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: Protective suit. Safety shoes.
- 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**

- Form : solid  
Physical state : solid  
Color : No data available

**Safety data**

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

Lower explosion limit	: No data available
Upper explosion limit	: No data available
pH	: Not applicable
Melting point/range	: No data available
Freezing point	No data available
Boiling point/boiling range	: No data available
Vapor pressure	: No data available
Density	: No data available
Water solubility	: Insoluble
Solubility in other solvents	: Insoluble

**SECTION 10: Stability and reactivity**

<b>Reactivity</b>	: Stable at normal ambient temperature and pressure.
<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>	: Further information: No decomposition if stored and applied as directed.
<b>Conditions to avoid</b>	: No data available.
<b>Other data</b>	: No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information**

<b>mPAO Filtration Waste Acute oral toxicity</b>	: LD50 Oral: > 5,000 mg/kg Species: Rat Method: Acute toxicity estimate
<b>mPAO Filtration Waste Acute inhalation toxicity</b>	: No data available

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

**mPAO Filtration Waste  
Acute dermal toxicity**

: LD50 Dermal: > 2,000 mg/kg  
 Species: Rabbit  
 Method: Acute toxicity estimate

**mPAO Filtration Waste  
Skin irritation**

: May irritate skin.

**mPAO Filtration Waste  
Eye irritation**

: May irritate eyes.

**mPAO Filtration Waste  
Sensitization**

: No data available.

**Repeated dose toxicity**

1-Octene

: Species: Rat, Male and female  
 Sex: Male and female  
 Application Route: Oral diet  
 Dose: 0, 100, 500, 1000 mg/kg  
 Exposure time: 13 wk  
 Number of exposures: daily  
 NOEL: 1,000 mg/kg  
 Method: OCED Guideline 408  
 Information given is based on data obtained from similar substances.

Species: Rat, Male and female  
 Sex: Male and female  
 Application Route: Inhalation  
 Dose: 0, 300, 1000, 3000 ppm  
 Exposure time: 13 wk  
 Number of exposures: 6 hrs/d, 5 d/wk  
 NOEL: 3000 ppm  
 Method: OECD Guideline 413  
 Information given is based on data obtained from similar substances.

**Genotoxicity in vitro**

1-Octene

: Test Type: Ames test  
 Result: negative

Test Type: Chromosome aberration test in vitro  
 Result: negative

Test Type: Cell transformation assay  
 Result: negative

Aluminum Oxide

Test Type: Ames test  
 Metabolic activation: with and without metabolic activation  
 Result: negative

**Genotoxicity in vivo**

1-Octene

: Remarks: Not classified due to data which are conclusive although insufficient for classification.

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

**Reproductive toxicity**

1-Octene : Species: Rat  
 Sex: male  
 Application Route: Oral diet  
 Dose: 0, 100, 500, or 1000 mg/kg  
 Exposure time: 44 D  
 Number of exposures: daily  
 Method: OECD Guideline 421  
 NOAEL Parent: 1,000 mg/kg  
 NOAEL F1: 1,000 mg/kg

Species: Rat  
 Sex: female  
 Application Route: Oral diet  
 Dose: 0, 100, 500, or 1000 mg/kg  
 Exposure time: 41-55 D  
 Number of exposures: daily  
 Method: OECD Guideline 421  
 NOAEL Parent: 1,000 mg/kg  
 NOAEL F1: 1,000 mg/kg

**mPAO Filtration Waste  
Aspiration toxicity**

: No aspiration toxicity classification.

**CMR effects**

1-Octene : Carcinogenicity: Not available  
 Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
 Teratogenicity: Not available  
 Reproductive toxicity: Animal testing did not show any effects on fertility.

**mPAO Filtration Waste  
Further information**

: No data available.

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

1-Octene : LC50: 0.87 mg/l  
 Exposure time: 96 h  
 Species: Oncorhynchus mykiss (rainbow trout)  
 semi-static test Method: OECD Test Guideline 203  
 Information given is based on data obtained from similar substances.

Aluminum Oxide NOEC: > 100 mg/l  
 Exposure time: 96 h  
 Species: Salmo salar (Atlantic salmon)  
 Method: OECD Test Guideline 203

**Toxicity to daphnia and other aquatic invertebrates**



**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

1-Octene : EC50: 1 mg/l  
 Exposure time: 48 h  
 Species: Daphnia magna (Water flea)  
 static test Method: OECD Test Guideline 202  
 Information given is based on data obtained from similar substances.

Aluminum Oxide EC50: > 100 mg/l  
 Exposure time: 48 h  
 Species: Daphnia magna (Water flea)  
 Method: OECD Test Guideline 202

**Toxicity to algae**

1-Octene : EC50: 1 - 10 mg/l  
 Exposure time: 96 h  
 Species: Pseudokirchneriella subcapitata (microalgae)  
 Method: OECD Test Guideline 201  
 Information given is based on data obtained from similar substances.

Aluminum Oxide NOEC: > 100 mg/l  
 Exposure time: 72 h  
 Species: Selenastrum capricornutum (algae)  
 Method: OECD Test Guideline 201

**M-Factor**

oct-1-ene : M-Factor (Acute Aquat. Tox.) 1

Biodegradability : No data available

Elimination information (persistence and degradability)

Bioaccumulation

1-Octene : Bioconcentration factor (BCF): 1,259  
 Method: QSAR modeled data

Aluminum Oxide : This material is not expected to bioaccumulate.

Mobility

1-Octene : No data available

Aluminum Oxide : No data available

Results of PBT assessment

1-Octene : Non-classified PBT substance, Non-classified vPvB substance

Additional ecological information

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life with long lasting effects.

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

**Ecotoxicology Assessment**

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

Long-term (chronic) aquatic hazard : 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.

**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)**

UN1325, FLAMMABLE SOLIDS, ORGANIC, N.O.S., (1-OCTENE), 4.1, II

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

UN1325, FLAMMABLE SOLID, ORGANIC, N.O.S., (1-OCTENE), 4.1, II, MARINE POLLUTANT, (1-OCTENE)

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

UN1325, FLAMMABLE SOLID, ORGANIC, N.O.S., (1-OCTENE), 4.1, II

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

UN1325, FLAMMABLE SOLID, ORGANIC, N.O.S., (1-OCTENE), 4.1, II, (E), ENVIRONMENTALLY HAZARDOUS, (1-OCTENE)

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

40, UN1325, FLAMMABLE SOLID, ORGANIC, N.O.S., (1-OCTENE), 4.1, II, ENVIRONMENTALLY

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

HAZARDOUS, (1-OCTENE)

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

UN1325, FLAMMABLE SOLID, ORGANIC, N.O.S., (1-OCTENE), 4.1, II, ENVIRONMENTALLY HAZARDOUS, (1-OCTENE)

**Maritime transport in bulk according to IMO instruments****SECTION 15: Regulatory information****National legislation****SARA 311/312 Hazards** : 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 : The following components are subject to reporting levels established by SARA Title III, Section 313:

: Aluminum Oxide - 1344-28-1

**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).

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

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 Intermediate or Final VOC's (40 CFR 60.489).

**US State Regulations****Pennsylvania Right To Know**

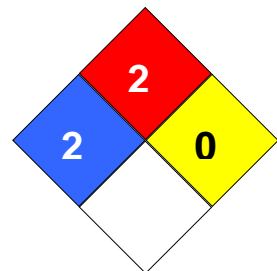
: Diatomaceous Earth - 61790-53-2  
 : 1-Octene Homopolymer - 25068-25-1  
 : Water - 7732-18-5  
 : 1-Octene - 111-66-0  
 : Aluminum Oxide - 1344-28-1  
 : Treated aluminum silicate -

**Notification status**

Europe REACH : Not applicable  
 Switzerland CH INV : Not applicable  
 United States of America (USA) : On or in compliance with the active portion of the  
 TSCA : TSCA inventory Exemptions from the obligation to  
 register  
 Canada NDSL : This product contains one or several components listed  
 in the Canadian NDSL.  
 Other AIIIC : Not applicable  
 New Zealand NZIoC : Not applicable  
 Japan ENCS : Not applicable  
 Korea KECI : Not applicable  
 Philippines PICCS : Not applicable  
 Taiwan TCSI : Not applicable  
 China IECSC : Not applicable

**SECTION 16: Other information**

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

**Further information**

**mPAO Filtration Waste**

Version 1.3

Revision Date 2022-08-08

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**

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%		