

SAFETY DATA SHEET

CLEARPOL



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: CLEARPOL

Recommended use: Clarification agent for industrial applications

The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement

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2. HAZARDS IDENTIFICATION

According to OSHA 29 CFR 1910.1200 HCS

Classification of the Substance or Mixture

Classification (GHS-US):		
Skin Corrosion/Irritation	Category 2	H315
Skin Sensitization	Category 1	H317
Serious Eye Damage/Eye Irritation	Category 1	H318

Labeling Elements



Signal Word (GHS-US): Warning

Hazard Statements (GHS-US):

- H315 - Causes skin Irritation
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.

Precautionary Statements (GHS-US)

Prevention

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 - Wash thoroughly after handling.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P280 - Wear protective gloves.

Response

- P302+P352 - IF ON SKIN: Wash with plenty of water.



Storage
Disposal

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical attention/advice.
P310 - Immediate call a POISON CENTER/Doctor.
P333+P313 - If skin irritation or a rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501- Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards Not Otherwise Classified: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Substances

Name	Product Identifier (CAS #)	EINECS Number	% (w/w)	Classification
Trade Secret N°1	Trade Secret	Trade Secret	50 - 70	Not Classified
Trade Secret N°2	Trade Secret	Trade Secret	10 - 20	Skin Irrit. 2, H315 Serious Eye Damage 1, H318
Trade Secret N°3	Trade Secret	Trade Secret	5 - 15	Skin Sensitizer 1, H317
Trade Secret N°4	Trade Secret	Trade Secret	5 - 15	Not Classified
Trade Secret N°5	Trade Secret	Trade Secret	10 - 20	Not Classified
Trade Secret N°6	Trade Secret	Trade Secret	1 - 4	Met. Corr. 1, H290 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

+The actual concentration of the ingredient(s) is withheld as a trade secret in accordance with Regulations Amending the Hazardous Products Regulations (HPR) SOR/2018-68 and 29 CFR 1910.1200.

4. FIRST AID MEASURES

Description of the first aid measures:

Route	Measures
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the individual is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Call a poison center or physician.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth with water and afterwards drink plenty of water. Get immediate medical attention.
Eye Contact	In case of contact get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 30 minutes. Chemical burns must be treated promptly by a physician.
Skin Contact	Wash off with plenty of water. Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Absorption	As with skin contact, remove contaminated clothing and flush with copious amounts of water. Flush affected area for at least 15 minutes to minimize potential for further absorption. Seek medical attention if significant portions of skin have been exposed.



Most Important Symptoms

Product becomes alkaline when exposed to moisture and may cause skin burns. May cause serious eye damage. May cause allergic skin reaction. Carcinogen: breathing crystalline silica can cause lung disease, including silicosis and lung cancer. Crystalline silica has also been associated with scleroderma and kidney disease.

Indication of any immediate medical attention and special treatment needed

Note to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING MEASURES

Flammable Properties

This product is not flammable or combustible.

Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Specific Hazards / Products of Combustion

No specific fire or explosion hazard.

Special Precautions and Protective Equipment for Firefighters

Move containers from fire area if this can be done without risk. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

See Section 9 for fire properties of this chemical including flash point, autoignition temperature, and explosive limits

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 for additional information.

Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if reportable thresholds have entered the environment, including waterways, soil or air. Materials can enter waterways through drainage systems.

Containment and Clean-Up Methods

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place dust in a closed, labeled waste container. Large spills to waterways may be hazardous due to alkalinity of the product. Dispose of waste material using a licensed waste disposal contractor. Use only with adequate ventilation/personal protection. Avoid breathing dust or spray mist. Avoid formation of dust and aerosols. (See section 8).

7. HANDLING AND STORAGE

Handling Precautions

Avoid contact with eyes, skin, or clothing. This product contains quartz, which may become airborne without a visible cloud. Avoid breathing dust. Avoid creating dusty conditions. Use only with adequate ventilation to keep exposure below recommended exposure limits. Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure by obtaining and following special instructions before use. Do not handle until all safety precautions have been read and understood. Keep in the original container or an approved alternative made from a compatible material and keep the container tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.



Storage

Keep container tightly closed in a dry and well-ventilated place. Avoid contact with water and moisture. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Occupational Exposure Limits

US. ACGIH Threshold Limit Values

Components Type Value Form

Trade Secret N°1: 5 mg/m³

Trade Secret N°2: TWA 5 mg/m³ Respirable fraction

Trade Secret N°3: 10 mg/m³ Respirable fraction

Trade Secret N°6 /ceiling): 2 mg/m³

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Components Type Value Form

Trade Secret N°1: 5 mg/m³

Trade Secret N°2: PEL 5 mg/m³ Respirable fraction.

Trade Secret N°3: 15 mg/m³ Respirable fraction

Trade Secret N°6 /ceiling): 5 mg/m³

Mexico. Occupational Exposure Limit Values

Components Type Value Form

Trade Secret N°2: TWA 5 mg/m³

Engineering Controls

Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Personal Protective Equipment

Exposure	Equipment
Eye / Face	To prevent eye contact, wear safety glasses with side shields, safety goggles or face shields when handling dust or wet cement. Wearing contact lenses when working with cement is not recommended.
Skin	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information. Use barrier creams to prevent skin contact.
Respiratory	Wear respirator with dust filter. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.
General Hygiene considerations	Provide eyewash station and safety shower. When using, do not eat, drink, or smoke. Wash hands after handling. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Property	Value
Appearance	Light brownish or white powder
Physical State	Solid/powder
Odor	Odorless
Odor Threshold	Not available
pH	11-13 in water
Melting / Freeze Point	Not available
Boiling Point And Range	Not available
Flash Point	Not flammable. Not combustible.
Evaporation Rate	Not available
Flammability	Not available
Flammability Limits	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	0.60 - 0.70
Solubility	Negligible
Partition Coefficient	Not available
Autoignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Percent Volatiles	Not available

10. STABILITY AND REACTIVITY

Reactivity

Reacts slowly with water forming hydrated compounds, releasing heat, and producing a strong alkaline solution until reaction is substantially complete.

Stability

The product is stable under normal conditions of use, storage and transport.

Reactions / Polymerization

Not expected to occur.

Conditions to Avoid

Contact with incompatible materials. When exposed to air it will absorb carbon dioxide to form calcium carbonate and magnesium oxide. When heated at temperatures above 580 deg. C, it loses water to form calcium oxide, magnesium oxide and water.

Incompatible Materials

Wet material is alkaline and will react with acids, ammonium salts, aluminum and other reactive metals. Hardened material is attacked by hydrofluoric acid releasing toxic silicon tetrafluoride gas.

Hazardous Decomposition Products

None expected under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Acute Effects: Dust from the dry material can cause irritation and possible burns to the eyes and respiratory tract. Symptoms can be delayed.

	Trade Secret N°1	Trade Secret N°2	Trade Secret N°3	Trade Secret N°4	Trade Secret N°5	Trade Secret N°6
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Acute Toxicity (Inhalation LC50)	Not applicable	Not available	LC50 > 2.1 mg/L air 4 hr (Dust)	Not Listed	Not listed	Not listed
Acute Toxicity (Oral LC50)	Not applicable	LD50 7340 mg/kg (rat)	LD50 > 2000 mg/kg (rat), LD50 8500 mg/kg (rat)	Not classified	Rats LD50 6207 mg/kg	450 mg/kg (Rat)
Acute Toxicity (Dermal LC50)	Not applicable	LD50 > 2500 mg/kg (rat)	Not listed	Rabbit: > 5.000 mg/kg	Not listed	Not listed

Skin Corrosion/Irritation: May cause skin irritation. May cause serious burns in the presence of moisture.

Serious Eye Damage/Irritation: Causes serious eye damage. May cause burns in the presence of moisture.

Respiratory or Skin Sensitization: May cause respiratory tract irritation.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: No data available.

US OSHA Specifically Regulated Substances: Cancer hazard
No data available.

Teratogenicity: No data available

Specific Target Organ Toxicity (Repeated Exposure): No data available.

Specific Target Organ Toxicity (Single Exposure): Trade Secret N°2, Trade Secret N°3 and Trade Secret N°6; Category 3, route of exposure: inhalation and skin contact, target organs: Respiratory tract irritation, skin irritation.

Aspiration Hazard: No data available.

Potential Health Effects: Causes serious eye damage. May cause respiratory irritation. Causes severe burns. May cause an allergic skin reaction.

Chronic effects: Not observed.

12. ECOLOGICAL INFORMATION

Toxicity:

Data for Mixture: Not available

Data for component: Trade Secret N°1

Toxicity: Shall not be classified as hazardous to the aquatic environment.

Data for Component: Trade Secret N°2

Aquatic Toxicity-Acute

Gasterosteus aculeatus 96 hr LC50 = 457 mg/L
Oncorhynchus mykiss 96 hr LC50 = 50.6 mg/L
Crangon septemspinosa 96 hr LC50 = 158 mg/L
Daphnia magna 48 hr EC50 = 49.1 mg/L
Daphnia magna 48 h EC50 > 100 mg/L
Danio rerio 96 h LC50 > 11.1 mg/L

Aquatic Toxicity- Crangon septemspinosa 14 d NOEC = 32 mg/L

Aquatic Toxicity-Chronic: Tilapia nilotica 46 days NOEC = 100 mg/L



Data for Component: Trade Secret N°3

Toxicity: Shall not be classified as hazardous to the aquatic environment.

Aquatic Toxicity - acute

LC50 fish: 306.8 mg/L (96 hr)

ErC50 algae: Over 100 mg/L (72 hr)

Aquatic Toxicity-Chronic

EC50 microorganisms: Over 100 mg/L (3 hr)

Data for component: Trade Secret N°4

Toxicity to daphnia and other aquatic invertebrates

EC0 Daphnia magna (Water flea): ≥ 10.000 mg/l; 24 h

OECD Test Guideline 202

Toxicity to algae

IC50 Pseudokirchneriella subcapitata (green algae): 440 mg/l; 72 h (IUCLID)

NOEC Pseudokirchneriella subcapitata (green algae): 60 mg/l; 72 h (IUCLID)

Data for component: Trade Secret N°5

Toxicity: Shall not be classified as hazardous to the aquatic environment.

Data for component: Trade Secret N°6

Freshwater Fish

LC50: = 75.6 mg/L, 96h static (Gambusia affinis)

LC50: 20.95 - 22.56 mg/L, 96h semi-static (Pimephales promelas)

LC50: = 20.26 mg/L, 96h semi-static (Lepomis macrochirus)

Water Flea

EC50: = 9.6 mg/L, 48h Static (Daphnia magna)

EC50: = 27.9 mg/L, 48h (Daphnia magna)

Persistence and Degradation: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Other Information: No data available

Persistence and Degradability: Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/Accumulation: No information available

Mobility: Will likely be mobile in the environment due to its water solubility.

Ecotoxicity: Do not empty into drains.

Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long term degradation products may arise.

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Untreated waste should not be released to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe manner.

Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

US DOT

UN Identification Number

Not regulated

Proper Shipping Name

Not available

Hazard Class and Packing Group

Not available

Shipping Label

Not available



Placard / Bulk Package
Emergency Response Guidebook Guide Number

Not available
Not available

IATA Cargo

UN Identification Number
Shipping Name / Description
Hazard Class and Packing Group
ICAO Label
Packing Instructions Cargo
Max Quantity Per Package Cargo

Not regulated
Not available
Not available
Not available
Not available
Not available

IATA Passenger

UN Identification Number
Shipping Name / Description
Hazard Class and Packing Group
ICAO Label
Packing Instructions Passenger
Max Quantity Per Package

Not regulated
Not available
Not available
Not available
Not available
Not available

IMDG

UN Identification Number
Shipping Name / Description
Hazard Class and Packing Group
IMDG Label
EmS Number
Marine Pollutant

Not regulated
Not available
Not available
Not available
Not available
Not available

15. REGULATORY INFORMATION

Data for Mixture: Clearpol

SARA Section 311/312 Hazard Classes:

Immediate health hazard: Skin sensitizer
Delayed health hazard (chronic): Not available

Data for component: Trade Secret N°1

TSCA: This material is listed in the TSCA inventory, and is not otherwise regulated by TSCA sec. 4, 5, 6, 7 or 12, in accordance with 40 CFR 711.6(a)(3), Exemption of naturally occurring chemical substances.

CDR Exempt/Partial exemption Not determined

United States Inventory (TSCA 8b) Not listed.

SARA 302/304 - Composition/Information on Ingredients: No products were found

SARA 313/304 RQ: Not Applicable

SARA 311/312 – Classification: Not Applicable

Data for Component: Trade Secret N°2

SARA 302 Components SARA 302:

Not a chemical subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components SARA 313:

This material does not exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

Acute Health Hazard

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAP's) Not listed

Clean Air Act Section 602 Class I Substances Not listed

Clean Air Act Section 602 Class II Substances Not listed

Massachusetts Right to Know: Listed

Pennsylvania Right to Know: Listed

New Jersey Right to Know: Listed



California Prop. 65 Components: This product is not listed at State of California to cause cancer, birth defects, or any other reproductive harm.

Data for Component: Trade Secret N°3

U.S. Federal Regulations:

TSCA Chemical Inventory Status: Listed.

CERCLA Reportable Quantity: None.

SARA Title III:

Section 302 Extremely Hazardous Substances: None.

Section 304 Emergency Release Reporting: None.

Section 311/312 Hazardous Categories: None.

Section 313 Toxic Categories: None.

Clean Air Act of 1990 – Title VI: This material does not constitute nor was it manufactured using ozone depleting chemicals.

Canadian Regulations:

WHMIS Classification: Not a controlled product.

DSL (Domestic Substance List): Component listed on the DSL.

NPRI (National Pollutant Release Inventory): Not subject to mandatory reporting requirements.

IDL (Ingredient Disclosure List): Component listed on the IDL.

Note: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (Canada) and this MSDS contains all the information required by the Controlled Products Regulations (Canada).

USA State Regulations:

California Proposition 65: Not listed.

Data for component: Trade Secret N°4

U.S. Regulations

U.S. TSCA

TSCA Section 5(a)2 - Chemicals with Significant New Use Rules (SNURS): Not applicable

TSCA 8(d) -Health and Safety Reporting: Not applicable

CERCLA/SARA

CERCLA -Hazardous Substances and their Reportable Quantities: None

Section 302 Extremely Hazardous Substances and TPQs: None

Section 302 Extremely Hazardous Substances and RQs: None

Section 313 -Chemical Category

Section 313 -Reporting de minimis: None

Massachusetts RTK: Present

Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product is not listed under California Prop. 65.

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product is not listed under California Prop. 65.

Data for component: Trade Secret N°5

US Federal Regulations CERCLA

Hazardous: 5000 lb.

Reportable Quantity: 5000 lb. RQ

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No



Sudden Release of Pressure Hazard: No
Reactive Hazard: No

SARA 313

Not listed.

CWA (Clean Water Act)

CWA – Reportable: 5000 lb.

CWA Hazardous: Listed

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification: Not a dangerous product according to HPR classification criteria.

Information:

Canada Hazardous Products Regulation: This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all the information required by the HPR.

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all the information required by the CPR.

Canadian Regulations

WHMIS Classification

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Class E - Corrosive Material

Listed on the Canadian DSL (Domestic Substances List)

Data for component: Trade Secret N°6

U.S. Federal Regulations

TSCA: Listed

TSCA Inventory notification - Active/Inactive: Active

TSCA 12 (b) Notices of Export: Not applicable

SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act)

CWA - Hazardous Substances: Listed

CWA - Reportable Quantities: 1000 lb

Clean Air Act: Not applicable

Hazardous Substances RQs: 1000 lb

California Proposition 65: This product is not listed at State of California to cause cancer, birth defects, or any other reproductive harm.

U.S. State Right-to-Know Regulations


Massachusetts: Listed

New Jersey: Listed

Pennsylvania: Listed

Rhode Island: Listed

16. OTHER INFORMATION

NFPA ratings Health: 2 Flammability: 0 Instability: 0 Special: --																
HMIS® ratings Health: 2 Flammability: 0 Physical hazard: 0 Personal Protection: C	<table><tr><td>HEALTH</td><td>2</td><td>4. Severe Hazard</td></tr><tr><td>FLAMMABILITY</td><td>0</td><td>3. Serious Hazard</td></tr><tr><td>REACTIVITY</td><td>0</td><td>2. Moderate Hazard</td></tr><tr><td>PERSONAL PROTECTION</td><td>C</td><td>1. Slight Hazard</td></tr><tr><td></td><td></td><td>0. Minimal Hazard</td></tr></table>	HEALTH	2	4. Severe Hazard	FLAMMABILITY	0	3. Serious Hazard	REACTIVITY	0	2. Moderate Hazard	PERSONAL PROTECTION	C	1. Slight Hazard			0. Minimal Hazard
HEALTH	2	4. Severe Hazard														
FLAMMABILITY	0	3. Serious Hazard														
REACTIVITY	0	2. Moderate Hazard														
PERSONAL PROTECTION	C	1. Slight Hazard														
		0. Minimal Hazard														

Issue Date:
Oct. 14, 2020

Description of Revisions

Revise to meet Globally Harmonized System for chemical hazard communication requirements pursuant to OSHA regulatory revisions.

Notice to reader

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Abbreviations

ACGIH — American Conference of Governmental Industrial Hygienists
CAS# — Chemical Abstract Service
CERCLA — Comprehensive Emergency Response and Comprehensive Liability Act
CFR — Code of Federal Regulations
DOT — Department of Transportation
GHS — Globally Harmonized System
HEPA — High Efficiency Particulate Air
IATA — International Air Transport Association
IARC — International Agency for Research on Cancer
IMDG — International Maritime Dangerous Goods
NIOSH — National Institute of Occupational Safety and Health
NOEC — No Observed Effect Concentration
NTP — National Toxicology Program
OSHA — Occupational Safety and Health Administration
PEL — Permissible Exposure Limit
REL — Recommended Exposure Limit
RQ — Reportable Quantity
SARA — Superfund Amendments and Reauthorization Act
SDS — Safety Data Sheet
TLV — Threshold Limit Value
TPQ — Threshold Planning Quantity
TSCA — Toxic Substances Control Act



TWA — Time-Weighted Average
UN — United Nations

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