

**Dormex®**

Version 3.0 / REG\_US

Specification: 132506

Revision Date: 5/14/2015

Material no.:

Print Date: 5/28/2015

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product identifier**

Trade name : Dormex®

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

Use of the Substance/Mixture : Agricultural products

**Details of the supplier of the safety data sheet**Company : AlzChem LLC  
680 Village Trace  
Bldg. 20, Ste. A  
Marietta, GA 30067

Telephone : 770-804-0371

Fax : 770-804-0375

E-mail address of person responsible for the SDS : [www.alzchem.com](http://www.alzchem.com)**Emergency telephone number**

Emergency telephone number : CHEMTREC: (800) 424-9300

**2. HAZARDS IDENTIFICATION****Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Acute toxicity (oral), Category 3

Acute toxicity (dermal), Category 4

Skin corrosion, Category 1B

Skin sensitization, Category 1

Eye damage, Category 1

Reproductive toxicity, Category 2

Specific target organ toxicity - repeated exposure, Category 2

**GHS-Labeling**

Hazard pictograms :



Signal word : Danger

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- Hazard statements** : Toxic if swallowed.  
Harmful in contact with skin.  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Suspected of damaging fertility. Suspected of damaging the unborn child.  
May cause damage to organs through prolonged or repeated exposure.
- Precautionary statements** : **Prevention:**  
Obtain special instructions for use.  
Do not handle until all safety precautions have been read and understood.  
Wash thoroughly after handling.  
Do not eat, drink, or smoke when using this product.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.
- Response:**  
Immediately call a POISON CENTER or doctor/ physician.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash with plenty of soap and water.  
Wash contaminated clothing before reuse.  
If skin irritation or rash occurs: Get medical advice/attention.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF exposed or concerned: Get medical advice/attention.
- Storage:**  
Store locked up.
- Disposal:**  
Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards**

Violent, exothermic reaction with acids, bases and temperatures above 104°F (40°C).  
Use of alcoholic beverages enhances the toxic effects.  
The oral take-up may lead to acute dysfunctions of the blood circuit and/or the central nervous system.  
Dermal absorption possible.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**

Mixture (aqueous solution with cyanamide)

**Information on ingredients / hazardous components as per OSHA Hazard Communication Standard (29 CFR 1910.1200)**

<b>• Cyanamide: carbamonitril</b>		<b>49–51%</b>
CAS No. 420-04-2		
Acute Toxicity (oral)	Category 3	Toxic if swallowed.
Acute Toxicity (dermal)	Category 3	Toxic in contact with skin.
Skin corrosion	Category 1B	Causes severe skin burns and eye damage.
Skin sensitization	Category 1	May cause an allergic skin reaction.
Reproductive toxicity	Category 2	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (repeated exposure)	Category 2	May cause damage to organs through prolonged or repeated exposure.
<b>• Orthophosphoric acid</b>		<b>&lt; 2%</b>
CAS No. 7664-38-2		
Skin corrosion	Category 1B	Causes severe skin burns and eye damage.
Eye Damage	Category 1	Causes serious eye damage.

**4. FIRST AID MEASURES****Description of first aid measures**

- General advice : If feeling unwell seek medical advice.  
After absorbing large amounts of substance:  
Immediately contact a doctor or Poison Control Center, and follow the advice given.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.  
Consult a physician after significant exposure.
- In case of skin contact : Take off immediately all contaminated clothing.  
In case of skin contact  
Wash off immediately with plenty of water.  
Call a physician immediately.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Keep eye wide open while rinsing.
- If swallowed : Rinse mouth.  
If conscious, drink plenty of water.  
Do NOT induce vomiting.  
Call a physician immediately.  
If conscious and medical aid is not available immediately, induce vomiting. Be sure to keep victim's head below hips to

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avoid aspiration of vomitus into the lungs.

**Most important symptoms and effects, both acute and delayed**

Symptoms : Erythema  
Fall in blood pressure  
Increased pulse frequency  
Nausea  
Feeling of burning  
Headache  
Irritation of mucous membranes  
After the intake of large amounts, circulatory depression up to unconsciousness is possible

Risks : Caution: Alcoholic beverages interact with cyanamide.  
Symptoms showing flush are possible (difficulty in breathing, bright red face).  
The symptoms of this interaction disappear rapidly and are generally harmless.

**Indication of any immediate medical attention and special treatment needed**

Treatment : No specific antidote known.  
Symptomatic treatment.  
After the intake of small amounts: administer activated charcoal, sodium sulfate and much liquid orally.  
After the intake of large amounts: monitoring of circulatory functions, if necessary irrigation of the stomach preventing aspiration and taking into account the irritating properties to mucous membranes.  
In case of skin irritation, use corticoid containing external preparations.

**5. FIREFIGHTING MEASURES****Extinguishing media**

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Dry sand  
Water spray  
Foam

Unsuitable extinguishing media : High volume water jet

**Special hazards arising from the substance or mixture**

Hazardous combustion products : Ammonia  
Nitrous gases

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Carbon oxides  
Hydrocyanic acid (HCN)

**Advice for firefighters**

Special protective equipment for firefighters : In the case of fire, wear respiratory protective equipment independent of surrounding air and chemical protective suit.

Further information : Containers exposed to heat (fire) may build up pressure. Cool by splashing with water.  
Closed container may rupture if strongly heated.  
Do not contaminate surface water.  
Prevent fire extinguishing water from contaminating surface water or the ground water system.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Personal precautions : Wear personal protective equipment; see section 8.  
Ensure adequate ventilation.

**Environmental precautions**

Environmental precautions : Try to prevent the material from entering drains or water courses.  
Dike or contain spill.  
Shut off source of leak if safe to do so.

**Methods and material for containment and cleaning up**

Methods for cleaning up : Absorb with liquid-binding material, e.g.: saw dust, sand, universal binder  
Pour into containers which can be tightly sealed.  
Disposal according to local authority regulations.  
Don't use a high-pressure cleaner in order to avoid the formation of aerosols.  
Rinse away any residue with plenty of water.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Advice on safe handling : For professional use only.  
Use only in well-ventilated areas.  
Do not consume alcoholic beverages during handling cyanamide.  
Observe the rules usually applicable when handling chemicals.

Advice on protection against : Keep away from combustible material. Avoid temperatures

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- fire and explosion : above 95°F (35°C). Do not concentrate the product by evaporation. May cause violent decomposition.
- Hygiene measures : Contact with skin, eyes and clothes must be strictly avoided. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Do not consume alcoholic beverages prior to, during and 24 hours after handling the product. Do not eat, drink or smoke while working. Wash hands, and/or face before breaks and when workday is finished.

**Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Keep away from direct sunlight. Keep locked up.
- Advice on common storage : Incompatible with acids and bases. Keep away from food, drink and animal feeding stuffs.
- Recommended storage temperature : < 68°F (20°C)
- Packaging material : Suitable material: polyethylene, polypropylene, enamel, Austenitic steel

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Airborne Exposure Guidelines****Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Cyanamide	420-04-2	TWA	2 mg/m <sup>3</sup>	ACGIH® TLVs® NIOSH RELs
		TWA	2 mg/m <sup>3</sup>	
Orthophosphoric acid	7664-38-2	TWA	1 mg/m <sup>3</sup>	ACGIH® TLVs®
		STEL/CEIL(C)	3 mg/m <sup>3</sup>	
		TWA	1 mg/m <sup>3</sup>	OSHA PELs NIOSH RELs
		TWA	1 mg/m <sup>3</sup>	
		STEL/CEIL(C)	3 mg/m <sup>3</sup>	

**Control parameters****Engineering controls**

Not applicable

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**Exposure controls****Personal protective equipment**

Eye protection	: Tightly fitting safety goggles
Hand protection	
Material	: Nitrile rubber, Recommendation: Camatril® Velours (732)
Break through time	: > 480 min
Glove thickness	: 0.4 mm
Glove length	: elbow-length rubber gloves
Directive	: DIN EN 374
Manufacturer	: Kächele-Cama Latex GmbH (KCL), Germany
Skin and body protection	: Chemical-resistant protective suit, type 3, EN 14605:2003, e.g. Pro-Chem® IC rubber boots (EN 13832)
Respiratory protection	: If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used. Suitable filter: B, code color grey

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

Appearance	: Aqueous solution
Color	: blue
Odor	: Odorless
Odor threshold	: No data available
pH	: 3.9 – 4.9 (68°F) (20°C)
Melting point/range	: 5°F (-15°C)
Boiling point/range	: No data available
Evaporation rate	: No data available
Flash point	: Not applicable
Flammability (solid, gas)	: No data available
Upper/lower flammability or explosive limits	: No data available
Vapor pressure	: 0.005 hPa (68°F) (20°C) cyanamide
Vapor density	: No data available

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Density	: 1.06 g/cm <sup>3</sup> (68°F) (20 °C)
Relative density	: No data available
Water solubility	: Completely miscible (68°F) (20 °C)
Partition coefficient: n-octanol/water	: log P <sub>ow</sub> : -0.72
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, dynamic	: 1.026 mPa.s (68°F) (20°C)

**Other information**

Conductivity : ca. 12 mS/cm at 50°F (10°C)

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**10. STABILITY AND REACTIVITY****Reactivity**

No data available

**Chemical stability**

Product is supplied in stabilized form.

**Possibility of hazardous reactions**

Hazardous reactions : Violent, exothermic reaction.

**Conditions to avoid**

Conditions to avoid : Temperatures &gt; 95°F (35°C)

Keep away from direct sunlight.

Do not concentrate the product by evaporation. May cause violent decomposition.

**Incompatible materials**Materials to avoid : Acids and bases  
Combustible substances**Hazardous decomposition products**

Hazardous decomposition products : Ammonia

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**11. TOXICOLOGICAL INFORMATION**

Product data, component data and/or data for a similar material are summarized below.

**Acute toxicity****Data for: Product**



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Acute oral toxicity	: LD50 (rat, male/female): 284 mg/kg Method: OECD Test Guideline 401 Remarks: IUCLID
Acute inhalation toxicity	: LC50 (rat): > 2 mg/l Exposure time: 4 h Method: OECD Test Guideline 403 Remarks: maximum concentration in the test: no animals died. IUCLID
Acute dermal toxicity	: LD50 (rabbit): 1696 mg/kg Method: US-EPA-method Remarks: IUCLID

**Data for: cyanamide: carbamonitril**

Acute oral toxicity	: LD50 (rat, male/female): 142 mg/kg related to 100% active substance Remarks: IUCLID
Acute inhalation toxicity	: Maximum attainable concentration (rat): > 1 mg/l related to 100% active substance Exposure time: 4 h Remarks: IUCLID
Acute dermal toxicity	: LD50 (rabbit): 848 mg/kg related to 100% active substance Remarks: IUCLID

**Skin corrosion/irritation****Data for: Product**

Species: Human Skin Model

Exposure time: 0.05 - 1 h

Method: OECD Guideline 431, In Vitro Skin Corrosion: Human Skin Model Test, "13 April 2004"

Result: Causes burns.

Remarks: AlzChem test result.

**Data for: cyanamide: carbamonitril**

Species: rabbit

Method: OECD Guide-line 404

Result: Causes burns.

Remarks: IUCLID

**Serious eye damage/eye irritation****Data for: Product**

Assessment: Causes serious eye damage.

**Data for: cyanamide: carbamonitril**

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Assessment: Risk of serious damage to eyes.

**Respiratory or skin sensitization****Data for: Product**

Result: Sensitizing

Remarks: IUCLID

**Data for: cyanamide: carbamonitril**

Test Type: maximization test

Species: guinea pig

Assessment: May cause sensitization by skin contact.

Remarks: IUCLID

**Germ cell mutagenicity****Data for: cyanamide: carbamonitril**

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects, IUCLID

**Carcinogenicity****Data for: cyanamide: carbamonitril:**

Carcinogenicity - Assessment : Based on available data, the classification criteria are not met.

**Reproductive toxicity****Data for: Product**

Reproductive toxicity - Assessment : Suspected of damaging fertility. Suspected of damaging the unborn child.

**Data for: cyanamide: carbamonitril**

Reproductive toxicity - Assessment : Suspected of damaging fertility. Suspected of damaging the unborn child.

**STOT - single exposure****Data for: cyanamide: carbamonitril**

Assessment: based on available data, the classification criteria are not met.

**STOT - repeated exposure****Data for: Product**

Assessment: May cause damage to organs through prolonged or repeated exposure.

**Data for: cyanamide: carbamonitril**

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

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**Aspiration toxicity****Experience with human exposure****Data for: Product**

General Information: Interactions with alcohol (ethanol).  
Alcohol consumption increases the effect of the poison.

**Data for: cyanamide: carbamonitril**

General Information: Interactions with alcohol (ethanol).  
Alcohol consumption increases the effect of the poison.

**Further information****Data for: Product**

Remarks: No additional toxicological data are available.

**OSHA Regulated Carcinogens (NTP, IARC, OSHA Listed)**

**NTP** No component of this product is identified as a known or anticipated carcinogen by NTP.

**IARC** No component of this product is identified as a confirmed, probable, or possible carcinogen by IARC.

**OSHA** No component of this product is identified as a carcinogen or suspected carcinogen by OSHA.

**12. ECOLOGICAL INFORMATION**

Data in Section 12 are provided in accordance with EC CLP regulation 1272/2008 as this section is not mandatory under OSHA HazCom 2012 (29 CFR 1910.1200)

Product data, component data, and/or data for a similar material are summarized below.

**Ecotoxicity****Data for: Product**

Toxicity to fish : LC50 (*Oncorhynchus mykiss*): 180 mg/l  
Exposure time: 96 h  
Method: OECD 204  
Remarks: IUCLID

NOEC (*Oncorhynchus mykiss*): 7.4 mg/l  
Exposure time: 21 d  
Method: OECD 204  
Remarks: IUCLID

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna*): 6.5 mg/l  
Exposure time: 48 h  
Method: OECD 202 part 1  
Remarks: IUCLID

Toxicity to algae : ErC50 (*Selenastrum capricornutum*): 27.5 mg/l  
End point: growth rate  
Exposure time: 90 h

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Method: OECD 201

Remarks: IUCLID

Toxicity to bacteria : EC 10 (*Pseudomonas putida*): 314 mg/l  
Remarks: IUCLID

Toxicity to terrestrial organisms : LD50: ca. 100 µg/insect  
Species: honeybees  
Test substance: Product similar composition

**Data for: cyanamide: carbamonitril**

Toxicity to fish : LC50 (*Oncorhynchus mykiss*): related to 100% active substance 90 mg/l  
Exposure time: 96 h  
Remarks: IUCLID

NOEC (*Oncorhynchus mykiss*): related to 100% active substance 3.7 mg/l  
Exposure time: 21 d  
Remarks: IUCLID

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna*): related to 100% active substance 3.2 mg/l  
Exposure time: 48 h  
Remarks: IUCLID

NOEC (*Daphnia magna*): related to 100% active substance 0.1044 mg/l  
Exposure time: 21 d  
Remarks: IUCLID

Toxicity to algae : ErC50 (*Selenastrum capricornutum*): related to 100% active substance 13.5 mg/l  
End point: growth rate  
Exposure time: 90 h  
Remarks: IUCLID

Toxicity to bacteria : EC 10 (*Pseudomonas putida*): related to 100% active substance 157 mg/l  
Remarks: IUCLID

Toxicity to terrestrial organisms : LD50: ca. 100 µg/insect  
Species: honeybees  
Test substance: 50 % solution

**Persistence and degradability****Data for: Product**

Biodegradability : Test Type: aerobic

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Result: rapidly degradable  
Biodegradation: > 99 %  
Exposure time: 28 d  
Method: Water-sediment test.  
Remarks: Biodegradable in the soil (sediment).

**Data for: cyanamide: carbamonitril**

Biodegradability : Remarks: Not readily biodegradable.  
Evidence for inherent biodegradability.

**Bioaccumulative potential****Data for: Product**

Bioaccumulation : Bioconcentration factor (BCF): 0.05  
Method: (calculated)  
Remarks: No bioaccumulation is to be expected ( $\log P_{ow} \leq 4$ ).

**Data for: cyanamide: carbamonitril**

Bioaccumulation : Remarks: No bioaccumulation is to be expected ( $\log P_{ow} \leq 4$ ).

Partition coefficient: n-  
octanol/water :  $\log P_{ow}$ : -0.8  
Remarks: (calculated)

**Mobility in soil****Data for: Product**

Distribution among  
environmental compartments : Adsorption/Soil  
Medium: Soil  
 $K_{oc}$ : ca. 4.38  
Remarks: Mobile in soils

**Other adverse effects****Data for: Product**

Additional ecological  
information : Remarks: Do not allow entrance in sewage water, soil  
stretches of water, groundwater, and drainage systems.

Remarks: Additional ecological information  
Under acid conditions ( $\text{pH} < 4$ ) the product hydrolyses to urea,  
which is easily biodegradable.

Remarks: No further ecotoxicological data are available.

**Data for: cyanamide: carbamonitril**

Additional ecological  
information : Remarks: Under acid conditions ( $\text{pH} < 4$ ) the product  
hydrolyses to urea, which is easily biodegradable.

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**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

- Product : Must be brought to an adequate waste treatment facility, in conformity with applicable waste disposal regulations.
- Contaminated packaging : Packaging, that cannot be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations.

**14. TRANSPORT INFORMATION****US Department of Transportation (DOT):**

Class	8 (6.1)
Label Codes	8 (6.1)
UN number	2922
Packaging group	II
Proper Shipping Name	Corrosive liquids, toxic, n.o.s. (cont. Cyanamide)

**Transport Canada**

Class	8 (6.1)
Packaging group	II
Shipping Name and Description	Corrosive liquids, toxic, n.o.s. (cont. Cyanamide)

**International Maritime Dangerous Good Code (IMDG Code):**

Class	8 (6.1)
UN number	2922
Packaging group	II
EmS	F-A, S-B
Proper technical name (Proper shipping name)	Corrosive liquids, toxic, n.o.s. (cont. Cyanamide)
Marine pollutant	Yes

**Air transport ICAO-TI/IATA-DGR**

Class	8 (6.1)
UN number	2922
Packaging group	II
Proper technical name (Proper shipping name)	Corrosive liquids, toxic, n.o.s. (cont. Cyanamide)

**Loading instructions/Remarks**

IATA_C	ERG-Code 8P
IATA_P	ERG-Code 8P

**Special precautions for user**

Remarks : Keep separate from foodstuffs, luxury foods, feedstuffs

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

Not applicable for product as supplied.

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**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****United States – Federal Regulations****Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) – Reportable Quantity (RQ):**

A component (CAS No. 7664-38-2) of this product is CERCLA regulated at or above 5000 lbs.

**Emergency Planning and Community Right-to-Know Act (EPCRA):****SARA Title III – Section 302 Components**

The components of this product are not subject to the reporting requirements of SARA Title III, section 302

**SARA Title III – Section 304 Components**

The components of this product are not subject to the reporting requirements of SARA Title III, section 304

**SARA Title III – Section 311/312 Hazards**

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

**SARA Title III – Section 313 Components**

The components of this product are not subject to the reporting requirements of SARA Title III, section 313

**Toxic Substances Control Act (TSCA):**

The components of this product are TSCA regulated

**United States - State Regulations****California Prop 65**This product does not intentionally contain any chemical known to the State of California to cause cancer, birth defects, or any other reproductive defects.

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**16. OTHER INFORMATION**

This version was prepared on 5/14/2015. This version replaces all previous versions.

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.

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**Legend**

<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration Factor
<b>c. c.</b>	closed cup
<b>CAS</b>	Chemical Abstract Services
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>CMR</b>	Carcinogenic-Mutagenic-toxic for Reproduction
<b>COD</b>	Chemical Oxygen Demand
<b>DIN</b>	German Institute for Standardization
<b>DNEL</b>	Derived No Effect Level
<b>DOT</b>	U.S. Department of Transportation
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act
<b>GHS</b>	Globally Harmonized System for the Classification and Labelling of Chemicals
<b>GLP</b>	Good Laboratory Practice.
<b>GMO</b>	Genetic Modified Organism
<b>HCS</b>	Hazard Communication Standard (29 CFR 1910.1200) - HazCom 2012
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA DGR</b>	International Air Transport Association – Dangerous Goods Regulations
<b>ICAO-TI</b>	International Civil Aviation Organisation - Technical Instructions
<b>IMDG Code</b>	International Maritime Dangerous Goods Code
<b>ISO</b>	International Organization For Standardization
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>LOEL</b>	Lowest Observed Effect Level
<b>NOAEL</b>	No Observed Adverse Effect Level
<b>NOEC</b>	No Observed Effect Concentration
<b>NOEL</b>	No Observed Effect Level
<b>(H)NOS</b>	(Hazard) Not Otherwise Specified
<b>NTP</b>	U.S. National Toxicology Program
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>OSHA</b>	U.S. Occupational Safety and Health Administration
<b>PBT</b>	Persistent, Bioaccumulative, Toxic
<b>PEC</b>	Predicted Environmental Concentration
<b>PEL</b>	Permissible Exposure Limit
<b>PNEC</b>	Predicted No Effect Concentration
<b>REL</b>	Recommended Exposure Limit
<b>RID</b>	Regulations concerning the International Carriage of Dangerous Goods by Rail
<b>RQ</b>	Reportable Quantity
<b>SARA</b>	Superfunds Amendment and Reauthorization A and Reauthorization Act
<b>TSCA</b>	Toxic Substances Control Act
<b>TWA</b>	Time-weight average exposure concentration
<b>vPvB</b>	Very Persistent, Very Bioaccumulative
<b>VOC</b>	Volatile Organic Compounds
<b>WHO</b>	World Health Organization