



## Solve 9275

### Safety Data Sheet

**Date Issued:** 12/27/2017

**Date Revised:** 12/27/2017

#### 1. **PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Solve 9275  
**Company Identification:** WaterSolve, LLC  
5031 68th Street  
Caledonia, Michigan 49316, USA  
**For Product Information:** 616-575-8693  
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**Recommended use of the chemical and restrictions on use**

#### 2. **HAZARDS IDENTIFICATION**

**GHS Classification in accordance with 29 CFR 1910.1200**

**Skin irritation:** Category 2  
**Eye irritation:** Category 2A  
**Specific target organ systemic  
Toxicity – single exposure:** Category 3 (Central nervous system)

**GHS LABEL ELEMENT**



**Hazard pictograms:**

**Signal Word:** WARNING!

**Hazard Statements:**

**H315 Causes skin irritation.**  
**H319 Causes serious eye irritation.**  
**H336 May cause drowsiness or dizziness.**

**Precautionary Statements:**

**PREVENTION:**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye protection/face protection.  
P280 Wear Protective gloves.

**RESPONSE:**

**IF ON SKIN:**

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON/CENTER/doctor if you feel unwell.

**IF IN EYES:**

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

P332+P313 If skin irritation persists: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
**IF INHALED:** Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
**STORAGE:** P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
**DISPOSAL:** P501 Dispose of contents/container to an approved waste disposal plant.  
**OTHER HAZARDS:** Static Accumulating liquid

### 3. **COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance/Mixture:** Mixture  
**Chemical nature:** Static accumulator

#### **Hazardous or Regulated Components**

Chemical Name	CAS#	Classification	CONCENTRATION %
ALIPHATIC HYDROCARBON	Trade Secret	Flam. Liq. 4; H227 STOT SE 3; H336	>=20.00 - < 30.00
ALCOHOL ALKOXYLATES	Trade Secret	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1.50 - <5.00

Trade Secret Composition- Conceal the Identity + Concentration

### 4. **FIRST AID MEASURES**

**General Advice:** Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.

**If swallowed:** Obtain medical attention. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to a drowsy or unconscious person. If possible, do not leave individual unattended. If symptoms persist, call a physician.

**In case of Skin Contact:** First aid is not normally required. Remove contaminated clothing and shoes without delay. However, it is recommended that exposed areas be cleaned by washing with soap and water. Do not reuse contaminated clothing without laundering. Get medical attention if irritation develops or persists.

**In case of Eye Contact:** Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

**If Inhalation:** Move to fresh air. If unconscious place in recovery position and seek medical advice. Consult a physician after significant exposure.

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

- Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material.
- This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2.6 Swallowing) when deciding whether to induce vomiting.
- Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), lung irritation, drowsiness, confusion, irregular

heartbeat, convulsions. Causes skin irritations. Causes serious eye irritation. May cause drowsiness or dizziness.

**Notes to physician:** No hazards which require special first aid measures.

## 5. **FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, foam, carbon dioxide or dry chemical.

**Unsuitable extinguishing media:** High volume water jet.

**Specific hazards during firefighting:**

Do not allow run-off from fire fighting to enter drains or water courses.

**Hazardous combustion products:**

Carbon dioxide and carbon monoxide, Hydrocarbons, Nitrogen oxides (NO<sub>x</sub>), toxic fumes

**Specific extinguishing methods:** Product is compatible with standard fire-fighting agents.

Keep containers cool by spraying with water if exposed to fire.

**Further information:** When product is wet it causes a danger for slipping. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special Protective Equipment for fire-fighters:**

In the event of fire, firefighters, and others exposed, wear self-contained breathing apparatus and protective suit. Wear full firefighting protective clothing. Use NIOSH/MSHA approved respiratory protection.

## 6. **ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Ensure adequate ventilation. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Material can create slippery conditions.

**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. Do not flush into surface water or sanitary sewer system. Do not allow contact with soil, surface or ground water.

**Methods and materials for containment and cleaning up:**

Keep in suitable, closed containers, for disposal. Soak up with inert absorbent and non-combustible absorbent material, (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Other information:** Comply with all applicable federal, state and local regulations.

## 7. **HANDLING AND STORAGE**

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

**ADVICE ON SAFE HANDLING:** Avoid formation of aerosol. Provide sufficient air exchange and /or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and / or solid), all hazard precautions given in the data sheet must be observed. Avoid exposure-obtain special instructions before use. Avoid contact with skin and eyes. This material is slippery when wet. Do not eat, drink or smoke when using this product and should be prohibited in the application area. For personal protection (see Section 8). Dispose of rinse water in accordance with local and state and national regulations. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

**CONDITIONS FOR SAFE STORAGE:** Keep container tightly closed in a dry and well-ventilated place. Keep away from food and drink. 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. Store in original container in a cool, dry ventilated area.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

COMPONENTS	CAS-No.	Value type (form of exposure)	Control parameters/permissible concentration	Basis
ALIPHATIC HYDROCARBON	Trade Secret	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA PO
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL

Trade Secret Composition ó conceal identify + concentration

**Engineering measures:**

Provide sufficient mechanical (general and / or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

**Personal protective equipment:****Respiratory protection:**

In case of vapour formation use a respirator with an approved filter. A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

**Hand protection:**

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection**

Wear tightly fitting chemical splash-proof safety goggles or face-shield if there is a potential for exposure of the eyes to liquid, vapor or mist. Ensure that eyewash stations and safety showers are close to the workstation location.

**Skin and body protection**

Wear as appropriate impervious clothing, safety shoes. Wear resistant gloves. Choose body protections according to the amount and concentration of the dangerous substances at the work place. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

**Hygiene measures:** Wash hands before breaks and at the end of the workday. When using do not eat, drink or smoke when using this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES****General Information**

<b>Appearance:</b>	viscous
<b>Color:</b>	White
<b>Odor:</b>	No data available
<b>Odour threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Flash point:</b>	> 200.1°F/ 93.4°C
<b>Evaporation Rate:</b>	<1 n-Butyl Acetate
<b>Flammability (solid, gas):</b>	No data available
<b>Flammability (liquids):</b>	Static Accumulating liquid
<b>Explosive properties:</b>	No data available
<b>Lower / upper limits:</b>	No data available
<b>Vapor Pressure:</b>	No data available

<b>Relative vapor density:</b>	No data available
<b>Relative density:</b>	ca. 1
<b>Density:</b>	Approximate 1.03 g/cm <sup>3</sup>
<b>Solubility in Water:</b>	Soluble
<b>Solubility in other solvents:</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Thermal decomposition:</b>	No data available
<b>Viscosity, dynamic</b>	<4,000 mPa.s @ 20°C
<b>Viscosity, kinematic</b>	> 21 mm <sup>2</sup> /s @ 40°C
<b>Oxidizing properties:</b>	No data available

## 10. **STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No decompositions if stored and applied as directed.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous reactions:</b>	Product will not undergo hazardous polymerization.
<b>Conditions to avoid:</b>	Heat, flames and sparks.
<b>Incompatible Materials:</b>	strong oxidizers agents, strong reducing agents.

## 11. **TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure:** Inhalation, skin absorption, skin contact, eye contact, ingestion

**Acute toxicity:** Not classified based on available information.

### **Product:**

**Acute oral Toxicity:** LD 50 (Mouse): > 5,000 mg/kg

### **Components:**

#### **ALIPHATIC HYDROCARBON:**

**Acute oral Toxicity:** LD 50 Rat: > 5,000 mg/kg

**Acute inhalation toxicity:** LD 50 Rat, male and female: > 5.28 mg/l

Exposure time: 4 hr.

Test atmosphere: vapour

Method: OECD Test Guideline 403

Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

**Acute dermal toxicity:** LD 50 Rabbit: > 2,000 mg/kg

Assessment: No adverse effect has been observed in acute dermal toxicity tests.

#### **ALCOHOLS ALKOXYLATES:**

**Acute oral toxicity:** LD 50 Rat: 1380 mg/kg

#### **Skin corrosion/irritation:**

Causes skin irritation.

#### **Product:**

Result: Possibly irritating to skin.

Result: Repeated exposure may cause skin dryness or cracking.

### **Components:**

#### **ALIPHATIC HYDROCARBON:**

Mildly irritating to skin.

#### **ALCOHOLS ALKOXYLATES:**

Result: Risk of serious damage to eyes.

#### **Respiratory or skin sensitization:**

Skin sensitization:

Not classified based on available information

Respiratory sensitization:

Not classified based on available information

**Germ cell mutagenicity:** Not classified based on available information  
**Carcinogenicity:** Not classified based on available information  
**Reproductive toxicity:** Not classified based on available information  
**STOT – single exposure:** May cause drowsiness or dizziness.

**Components:**

**ALIPHATIC HYDROCARBON:** Assessment: May cause drowsiness or dizziness.  
**STOT – repeated exposure:** Not classified based on available information  
**Aspiration toxicity:** Not classified based on available information

**Further information**

**Product:** Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

12. **ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

**Toxicity to fish:** LC50 Zebra fish (*Danio rerio*): > 1 ó 10 mg/l  
Exposure time: 96 h Method: OECD Test Guideline 203  
Remarks: Based on a similar product formulation.

LC50 Sheepshead minnow (*cyprinodont variegatus*): > 100 mg/l  
Exposure time: 96h Method: EPA-821-R-02-012  
GLP: no

**Toxicity of daphnia and other Aquatic invertebrates:**

EC50 Water flea (*Daphnia magna*): >10 mg/l  
Exposure time: 48hr. Method: OECD Test Guideline 202  
Remarks: Based on a similar product formulation.

EC50 Opossum Shrimp (*Mysidopsis bahia*): 1.15 mg/l  
Exposure time: 48h Method: EPA-821-R-02-012  
GLP: no

**Toxicity to fish (Chronic toxicity):** IC25 Fathead minnow (*Pimephales promelas*): 5.22 mg/l  
End point: Growth rate Exposure time: 7d  
Method: see user defined free text

NOEC Fathead minnow (*Pimephales promelas*): 2.72 mg/l  
End point: Growth rate Exposure time: 7d  
Method: see user defined free text

**Toxicity of daphnia and other Aquatic Invertebrates (chronic toxicity):**

IC25 Water flea (*Daphnia*): 0.38 mg/l  
End point: Reproduction Test Exposure time: 7d  
Method: see user defined free text

NOEC Water flea (*Daphnia*): 0.3 mg/l  
End point: Reproduction Test Exposure time: 7d  
Method: see user defined free text

**Toxicity to microorganisms:** EC50 (*Pseudomonas putida*): ca. > 10 mg/l  
Exposure time: 48h  
Remarks: Information given is based on data on the components and the ecotoxicology of similar products.

**Components:**

**ALIPHATIC HYDROCARBON:**

**Ecotoxicology Assessment**

**Acute aquatic toxicity:** No toxicity at the limit of solubility

**Chronic aquatic toxicity:** No toxicity at the limit of solubility

**ALCOHOL ALKOXYLATES:**

**Toxicity to fish:** LC50 Fish: > 1 ó 10 mg/l  
Exposure time: 96h Test Type: static test

**Toxicity of daphnia and other Aquatic invertebrates:** EC50 (*Daphnia*) Water flea: > 1 ó 10 mg/l  
Exposure time: 48h Test Type: static test

**Toxicity to Algae:** ErC50 green algae: > 0.1 ó 1.0 mg/l  
Exposure time: 96h Test Type: static test

**Toxicity of daphnia and other Aquatic**

**Invertebrates (Chronic toxicity):** EC10 *Daphnia* water flea: 0.17mg/l  
Exposure time: 21 d

**Ecotoxicology Assessment:**

**Acute aquatic toxicity:** Very toxic to aquatic life.

**Persistence and degradability**

**Product:**

**Biochemical Oxygen Demand (BOD):** Biochemical oxygen demand 383,000 mg/l

**Chemical Oxygen Demand (COD):** 1,930,000 mg/l Method: Chemical Oxygen demand

**Components:**

**ALCOHOL ALKOXYLATES:**

**Biodegradability:** Result: Readily biodegradable.

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects:**

No data available

**Product:**

**Additional ecological information:** **An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.**

**Components:**

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods:**

**Waste from residues:** 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. Dispose of in accordance with all applicable local, state and federal regulations.

**Contaminated packaging:** Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

**14. TRANSPORT INFORMATION****International Transport Regulations**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT /LTD. QTY.
U.S. DOT -ROAD					Not dangerous goods
U.S. DOT - RAIL					Not dangerous goods
U.S. DOT – INLAND WATERWAYS					Not dangerous goods
TRANSPORT CANADA - ROAD					Not dangerous goods MARINE POLLUTANT: (HYDROTREATED PETROLEUM DISTILLATES)
TRANSPORT CANADA - RAIL					Not dangerous goods
TRANSPORT CANADA – INLAND WATERWAYS					Not dangerous goods
INTERNATIONAL MARITIME DANGEROUS GOODS					Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOC. - CARGO					Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOC. - PASSENGER					Not dangerous goods
MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES					Not dangerous goods
*ORM = ORM-D, CBL=COMBUSTIBLE LIQUID					
Marine pollutant				yes	

Dangerous goods description (if indicated above) may not reflect package size, quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for description that are specific to the shipment.

**15. REGULATORY INFORMATION****EPCRA – Emergency Planning and Community Right– to –Know Act**

**SARA 311/312 Hazards:** Hazard not otherwise classified (physical hazards)

Skin corrosion or irritation

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

**California Prop. 65**-Proposition 65 warnings are not required for this product based on the results of a risk assessment.

**The components of this product are reported in the following inventories:**

TSCA: On TSCA Inventory  
 DSL: q (quantity restricted)  
 AUSTR: On the inventory, or in compliance with the inventory.  
 ENCS: On the inventory, or in compliance with the inventory.  
 KECL: On the inventory, or in compliance with the inventory.  
 PHIL: On the inventory, or in compliance with the inventory.  
 IECSC: On the inventory, or in compliance with the inventory.

**OTHER INFORMATION****Further information**

Revision Date: 12/27/2017

**Full text of H-Statements**

H-227 Combustible liquid.  
 H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H336 May causes drowsiness or dizziness.  
 H400 Very toxic to aquatic life.



**Full text of other abbreviations**

<b>Acute Toxicity:</b>	Acute toxicity
<b>Eye Damage:</b>	Serious eye damage
<b>Flam. Liq:</b>	Flammable liquids
<b>Skin Irrit:</b>	Skin irritation
<b>STOT SE:</b>	Specific target organ toxicity-single exposure

**Further information:**

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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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. Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This information is for the specific material described only and may not be valid if the material is used in combination with any other materials or in any process. The user is responsible to determine the completeness of the information and suitability for the user's own particular use. The knowledge and belief of the company, the information is accurate and reliable as of the date indicated but the company makes no express or implied warranty of merchantability for the material or the information. The company makes no express or implied warranty of fitness for a purpose for the material or for the information. Users of any chemical should educate themselves on all aspects of its use by independent investigation of current scientific and medical knowledge that the material can be used safely. Both the supplier and manufacturer make no representations and assume no liability for any direct, incidental or consequential damages resulting from its use. Both the supplier and manufacturer make no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This information is for the specific material described only and may not be valid if the material is used in combination with any other materials or in any process. The user is responsible to determine the completeness of the information and suitability for the user's own particular use. Users of any chemical should educate themselves on all aspects of its use by independent investigation of current scientific and medical knowledge that the material can be used safely. The buyer assumes all responsibility for using and handling the product in accordance with applicable federal, state and local regulations.

**List of abbreviations and acronyms that could be, but not necessarily are, used in the safety data sheet:**

AICS: Australian Inventory of Chemical Substances  
ASTM: American Society for the Testing of Materials  
ACGIH: American Conference of Industrial Hygienists  
bw: Body Weight  
BEI: Biological Exposure Index  
CAS Chemical: Abstracts Service (Division of the American Chemical Society)  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act  
CMR: Carcinogenic, Mutagenic or Toxic for Reproduction  
DOT: Department of Transportation  
DIN: Standard of the German Institute for Standardization  
DSL: Domestic Substances List (Canada)  
ECx: Concentration associated with x% response  
EmS: Emergency Schedule  
ENCS: Existing and New Chemical Substances  
ErCx: Concentration associated with x% growth rate response  
ERG: Emergency Response Guide

FG: Food grade

FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
GLP: Good laboratory practice  
H-statement: Hazard Statement  
HMIRC: Hazardous Materials Information Review Commission  
HMIS: Hazardous Materials Identification System  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulation by the International Air Transport Association (IATA)  
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50: Half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization  
ICAO-TI (ICAO): Technical Instructions by the International Civil Aviation Organization  
IECSC: Inventory of Existing Chemical Substances in China  
IMDG: International Maritime Code for Dangerous Goods  
IMO: International Maritime Organization  
ISHL: Industrial Safety and Health Law (Japan)  
ISO: International Organization for Standardization  
logPow: octanol-water partition coefficient  
LCxx: Lethal Concentration, for xx percent of test population  
LDxx: Lethal Dose, for xx percent of test population  
ICxx: Inhibitory Concentration for xx of a substance  
ECxx: Effective Concentration of xx  
KECI: Korea Existing Chemicals Inventory  
MARPOL: International Convention for the Prevention of Pollution from Ships  
MSHA: Mine Safety and Health Administration  
n.o.s.: Not otherwise Specified  
NFPA: National Fire Protection Association  
NO(A)EC: No Observable Effect Loading Rate  
NO(A)EL: No Observable (Adverse) Effect Level  
NTP: National Toxicology Program  
NIOSH: National Institute for Occupational Safety and Health  
NOELR: No Observable Effect Loading Rate  
NZIoC: New Zealand Inventory of Chemicals  
OECD: Organization for Economic Co-operation and Development  
OPPTS: Office of Chemical Safety and Pollution Prevention  
OEL: Occupational Exposure Limit  
OSHA: Occupational Safety and Health Administration  
P-Statement: Precautionary Statement  
PBT: Persistent, Bioaccumulative and Toxic  
PICCS: Philippines Inventory of Chemicals and Chemical Substances  
PMRA: Health Canada Pest Management Regulatory Agency  
PPE: Personal Protective Equipment  
Q SAR: (Quantitative) Structure Activity Relationship  
RCRA: Resource Conservation and Recovery Act  
REACH: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals  
RQ: Reportable Quantity  
RTK: Right to Know  
SADT: Self Accelerating Decomposition Temperature  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short-term exposure limit  
SDS: Safety Data Sheet  
STOT: Specific Target Organ Toxicity  
TCSI: Taiwan Chemical Substance Inventory  
TSCA: Toxic Substances Control Act (United States)  
TLV: Threshold Limit Value  
TWA: Time-weighted average  
UN: United Nations  
UNRTDG: United Nations Recommendations on the Transport of Dangerous Goods  
vPvB: Very Persistent and Very Bioaccumulative  
WEL: Workplace Exposure Level  
WHMIS: Workplace Hazardous Materials Information System  
(WAF): water-accommodated fraction