



## Solve 9310

### Safety Data Sheet

Date Issued: 03/13/2017

Date Revised: 03/13/2017

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

**Product Identifier:** Solve 9310  
**Company Identification:** WaterSolve, LLC  
5031 68th Street  
Caledonia, Michigan 49316, USA [www.gowatersolve.com](http://www.gowatersolve.com)  
**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**  
29 CFR 1910.1200 (OSHA HazCom 2012)

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

##### GHS CLASSIFICATION

**Skin irritation:** Category 2  
**Eye irritation:** Category 2A  
**Specific target organ systemic Toxicity – single exposure:** Category 3 (Central nervous system)  
**Aspiration hazard:** Category 1

##### GHS LABEL ELEMENT



**Hazard pictograms:**

**Signal Word:**

**Hazard Statements:**

**DANGER!**

**May be fatal if swallowed and enters airways.**

**Causes skin irritation.**

**Causes serious eye irritation.**

**May cause drowsiness or dizziness.**

**Precautionary Statements:**

##### **PREVENTION:**

Avoid breathing dust/fume/gas/mist/vapors/spray

Wear eye protection /face protection.

Wash skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear Protective gloves.

##### **RESPONSE:**

**IF SWALLOWED:**

Immediately call a POISON CENTER/doctor.

DO NOT induce vomiting

**IF ON SKIN:**

Wash with plenty of soap and water.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.

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

**If skin irritation occurs:** Get medical advice/attention.

**If eye irritation persists:** Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.

**STORAGE:** Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

**DISPOSAL:** Dispose of contents/container to an approved waste disposal plant.

**OTHER HAZRDS:** Static Accumulating liquid

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

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

#### **Hazardous Components**

Chemical Name	CAS#	Classification	CONCENTRATION %
ALIPHATIC HYDROCARBON	254504001-5164	Flam. Liq. 4; H227, Skin Irrit. 2; H315 STOT SE 3; H336	>=20.00- < 30.00
ALCOHOL ALKOXYLATED	254504001-5466	Acute Tox. 4; H302, Eye damage: 1; H318	>=1.50- <5.00

**Trade secret composition-conceal 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:** Seek 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:** Remove contaminated clothing and shoes without delay. It is recommended that exposed areas be rinsed well with water. Do not reuse contaminated clothing without laundering. Get medical attention if irritation develops or persists.

**In case of Eye Contact:** Immediately flush eyes 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:**

- No symptoms known or expected.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- 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 (NOx)

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

**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:**

Do not let product enter drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

**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 SAFE HANDLING:**

Avoid formation of aerosol. Provide sufficient air exchange and /or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Avoid exposure-obtain special instructions before use. Avoid contact with skin and eyes. 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. 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	254504001 -5164	TWA	200 mg/m <sup>3</sup> Non-aerosol (as total hydrocarbon vapor)	ACGIH
		REL	100 mg/m <sup>3</sup>	NIOSH/GUIDE

**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 vapor 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. In the case of vapor formation use a respirator with an approved filter.

**Hand protection:**

Nitrile rubber. Replace gloves that show tears, pinholes or signs of wear.

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

**Eye protection**

Wear tightly fitting chemical and 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. Choose body protections according to the amount and concentration of the dangerous substances at the work place. Launder clothing before reuse. Discard gloves that show tears, pinholes, or signs of wear. Wear resistant gloves.

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

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

<b>Physical state:</b>	liquid
<b>Color:</b>	white
<b>Odor:</b>	hydrocarbon-like
<b>Odour threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point/freezing point:</b>	0°F/-18°C
<b>Boiling Point boiling range:</b>	212°F / 100°C
<b>Flash point:</b>	> 200.1°F/ >93.4°C
<b>Evaporation Rate:</b>	>1 Ethyl Ether
<b>Flammability (solid, gas):</b>	No data available
<b>Flammability (liquids):</b>	Static Accumulating liquid
<b>Explosive properties upper:</b>	7 % (V) Calculated Explosive Limit

<b>Lower limits:</b>	0.6 %(V) Calculated Explosive Limit
<b>Vapor Pressure:</b>	23.3333333 hPa ( 20°C)     Calculated Vapor Pressure
<b>Relative vapor density:</b>	1AIR=1
<b>Relative density:</b>	No data available
<b>Density:</b>	Approximate 1.05 g/cm <sup>3</sup>
<b>Solubility in Water:</b>	negligible
<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>	No data available
<b>Viscosity, kinematic</b>	No data available
<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>	Protect from frost, heat, flames and sparks.
<b>Incompatible Materials:</b>	strong oxidizers agents, strong reducing agents
<b>Hazardous decomposition products:</b>	Carbon dioxide, carbon monoxide, hydrocarbons

## 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.

### **Components:**

#### **ALIPHATIC HYDROCARBON:**

<b>Acute oral Toxicity:</b>	LD 50 Rat: > 5,000 mg/kg
<b>Acute inhalation toxicity:</b>	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.

#### **ALCOHOL ALKOXYLATES:**

**Acute oral toxicity:** LD 50 Rat: 1,380 mg/kg

**Skin corrosion/irritation:** Causes skin irritation.

### **Product**

**Remarks:**

May cause skin irritation and/or dermatitis.

**Result:**

Repeated exposure may cause skin dryness or cracking.

### **Components:**

#### **ALIPHATIC HYDROCARBON:**

Result: Mildly irritating to skin.

#### **ALCOHOL ALKOXYLATES:**

Result: Not irritating to skin.

#### **Serious eye damage/eye irritation:**

Causes serious eye irritation.

**Product:**

Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin. Causes serious eye irritation.

**Components:**

**ALIPHATIC HYDROCARBON:**

Result: Mildly irritating to eyes.

**ALCOHOL ALKOXYLATES:**

Result: Risk of serious damage to eyes.

**Respiratory or skin 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:**

May be fatal if swallowed and enters airways.

**Product:**

May be fatal if swallowed and enters airways.

**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.

**Carcinogenicity:**

**IARC:**

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

**OSHA:**

No component of this product presents at levels greater than or equal to 0.1 % is identified as carcinogen or potential carcinogen by OSHA.

**NTP:**

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

12. **ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

**Toxicity to fish:**

LC 50 Rainbow trout (*Oncorhynchus mykiss*) 67.0 mg/l

Exposure time: 96hr. Test Method: static test

LC 50 Fathead minnow (*Pimephales promelas*) 4.3 mg/l

Exposure time: 96hr. Test Method: static test

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

EL 50 Water flea (*Daphnia magna*): 1.6 mg/l

Exposure time: 48hr. Test Type: static test

**Ecotoxicology Assessment**

**Acute aquatic toxicity:**

Acute aquatic toxicity Category 2; Toxic to aquatic life.

**Chronic aquatic toxicity:**

Chronic aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects.

**Components:**

**ALIPHATIC HYDROCARBON**

**Toxicity to fish:** LC 50 Rainbow trout (*Oncorhynchus mykiss*) 2 - 5 mg/l  
Exposure time: 96hr. Test type: semi-static test  
Test substance: WAF Method: OECD Test Guideline 203

**Remarks:** The information given is based on data obtained from similar substances.

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

EL50 Water flea (*Daphnia magna*): 1.4 mg/l  
Exposure time: 48hr Test Type: static test  
Test substance: WAF Method: OECD Test Guideline 202

**Remarks:** The information given is based on data obtained from similar substances.

**Toxicity to algae:** EL50 green algae (*Pseudokirchneriella subcapitata*): > 1- 3 mg/l  
Exposure time: 72hr Test Type: static test  
Test substance: WAF Method: OECD Test Guideline 201

**Remarks:** The information given is based on data obtained from similar substances.

**Toxicity of daphnia and other Aquatic invertebrates (Chronic toxicity) :**

NOEL Water flea (*Daphnia magna*): 0.48 mg/l  
Exposure time: 21 d Test Method: semi-static test  
Test substance: WAF Method: OECD Test Guideline 211

**Remarks:** The information given is based on data obtained from similar substances.

**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 Water flea (*daphnia*) : >1 ó 10 mg/l  
Exposure time: 48h Test type: static test

**Toxicity of daphnia and other Aquatic invertebrates (Chronic Toxicity):** EC10 (Daphnia) water flea: 0.17 mg/l  
Exposure time: 21d

**Ecotoxicology Assessment Chronic aquatic toxicity:** Harmful to aquatic life with long lasting effects.

**Persistence and degradability**

**Product:**

**Biochemical Oxygen demand (BOD):** Biochemical oxygen demand within 5 days 200,000mg/l

**Chemical Oxygen Demand (COD):** 940,000 mg/l Method: Chemical oxygen demand

**Components:**

**ALIPHATIC HYDROCARBON:**

**Biodegradability:** Result: Inherently biodegradable  
Biodegradation: 58.6% Exposure time: 28 d  
Method: OECD Test Guideline 301F

**ALCOHOL ALKOXYLATES:**

**Biodegradability:** **Result:** readily biodegradable

**Bioaccumulative potential**

**Components:** No data available

**Mobility in soil**

**Components:** No data available  
**Other adverse effects:** No data available  
**Components:** No data available

**Product:**

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

**Components:**

13. **DISPOSAL CONSIDERATIONS**

**Disposal methods:**

**General Advice:** 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
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
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Dangerous goods description (if indicated above) may not reflect 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****SARA 311/312**

Acute health hazard

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**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:	All components of this product are on the Canadian DSL.
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.

**Inventories:**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

**Registration Trade Secret**

CHEMICAL NAME	IDENTIFICATION NUMBER
ALIPHATIC HYDROCARBON	254504001-5164
ALCOHOL ALKOXYLATES	254504001-5466

**16. OTHER INFORMATION****Full text of H-Statements referred to under Sections 2 and 3.**

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

**DATE REVISED: 03/13/2017****OTHER 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:**

ACGIH: American Conference of Industrial Hygienists  
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  
FG: Food grade  
FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
H-statement: Hazard Statement  
HMIRC: Hazardous Materials Information Review Commission  
HMIS: Hazardous Materials Identification System  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulation by the International Air Transport Association (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI (ICAO): Technical Instructions by the International Civil Aviation Organization  
IMDG: International Maritime Code for Dangerous Goods  
ISO: International Organization for Standardization  
logPow: octanol-water partition coefficient  
LC<sub>xx</sub>: Lethal Concentration, for xx percent of test population  
LD<sub>xx</sub>: Lethal Dose, for xx percent of test population  
IC<sub>xx</sub>: Inhibitory Concentration for xx of a substance  
EC<sub>xx</sub>: Effective Concentration of xx  
N.O.S.: Not otherwise Specified  
NFPA: National Fire Protection Association  
NIOSH: National Institute for Occupational Safety and Health  
OECD: Organization for Economic Co-operation and Development  
OEL: Occupational Exposure Limit  
OSHA: Occupational Safety and Health Administration  
P-Statement: Precautionary Statement  
PBT: Persistent, Bioaccumulative and Toxic  
PMRA: Health Canada Pest Management Regulatory Agency  
PPE: Personal Protective Equipment  
RTK: Right to Know  
STEL: Short-term exposure limit  
SDS: Safety Data Sheet  
STOT: Specific Target Organ Toxicity  
TLV: Threshold Limit Value  
TWA: Time-weighted average  
VPVB: Very Persistent and Very Bioaccumulative  
WEL: Workplace Exposure Level  
WHMIS: Workplace Hazardous Materials Information System  
(WAF): water-accommodated fraction