SAFETY DATA SHEET

This SDS adheres to the standards and regulatory requirements of Canada and may not meet the regulatory requirements in other countries.

1. Identification

Product identifier  Sodium Chlorite Solution 5%-41%
Other means of identification  Sodium Chlorite Solution, ERCOPURE
Recommended use  Generation of chlorine dioxide for use as a disinfectant, or for use as an oxidant. Bleaching of textiles and other fibers.
Recommended restrictions  None known.
Manufacturer/Importer/Supplier/Distributor information
Manufacturer
Company name  ERCO Worldwide, A division of Superior Plus LP
Address  302 The East Mall
Suite 200
Toronto, ON M9B 6C7
Canada
Telephone  (416) 239-7111 (M- F: 8:00 am – 5:00pm EST)
Website  http://www.ercoworldwide.com
E-mail  productinfo@ercoworldwide.com
Emergency phone number  Canada: 613-996-6666 (CANUTEC)
USA: 1-800-424-9300 (CHEMTREC)
Supplier  Refer to Manufacturer

2. Hazard(s) Identification

Physical hazards  Oxidizing liquids
Health hazards  Acute toxicity, oral
Acute toxicity, inhalation
Serious eye damage
Acute toxicity, dermal
Specific target organ toxicity, repeated exposure
Environmental hazards  Not currently regulated by the Canadian Hazardous Products Regulation (WHMIS 2015), refer to Section 12 for additional information.

Label elements

Signal word  Danger
**Hazard statement**
May intensify fire; oxidizer.
Harmful if swallowed.
May be harmful if inhaled.
Causes serious eye damage.
May be harmful in contact with skin.
May cause damage to organs through prolonged or repeated exposure.

**Precautionary statement**

**Prevention**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from clothing and other combustible materials. Wear protective gloves, protective clothing, eye protection, face protection. Do not eat, drink or smoke when using this product. Do not breathe dust, fume, gas, mists, vapours, spray. Wash hands and face thoroughly after handling.

**Response**
Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

In case of fire: Use water to extinguish.

**Storage**
None.

**Disposal**
Dispose of contents and containers in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**
No OSHA defined hazard classes.
Other hazards which do not result in classification:
Contact with water will generate considerable heat.
Contact with most metals will generate flammable hydrogen gas.
Chronic skin contact with low concentrations may cause dermatitis.
Contact with acids or reducing agents will generate toxic chlorine dioxide gas.

**Supplemental information**
Not applicable.

### 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>Conc. % By Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chlorite</td>
<td></td>
<td>7758-19-2</td>
<td>5-41 w/w%</td>
</tr>
<tr>
<td>Dihydrogen Oxide</td>
<td>Water</td>
<td>7732-18-5</td>
<td>Balance</td>
</tr>
</tbody>
</table>

Chemical name of impurities, stabilizing solvents and/or additives: None
4. First-Aid Measures

**Inhalation**
Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, trained personnel should give oxygen. If breathing stops, provide artificial respiration. Immediately call a POISON CENTER or doctor/physician.

**Skin Contact**
Take off immediately all contaminated clothing. Immediately flush skin with running water for at least 20 minutes. Wash contaminated clothing before reuse. Leather and shoes that have been contaminated with the solution may need to be destroyed. Immediately call a POISON CENTER or doctor/physician.

**Eye Contact**
Immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a POISON CENTER or doctor/physician.

**Ingestion**
Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. Immediately call a POISON CENTER or doctor/physician.

**Most important symptoms/effects, acute and delayed**
Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May be harmful or fatal if swallowed. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May be harmful in contact with skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Prolonged exposure may cause chronic effects. Material is irritating to mucus membranes and upper respiratory tract. Symptoms may include bloody nose and sneezing. High concentrations may cause lung damage.

**Indication of immediate medical attention and special treatment needed**
Immediate medical attention is required. Causes chemical burns. May be harmful or fatal if swallowed. Symptoms may be delayed.

**General information**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-Fighting Measures

**Suitable extinguishing media**
Water spray, fog (flooding amounts). Water only; no dry chemical, CO₂ or Halon. This product itself does not burn but combustibles wetted with this solution and subsequently dried are easily ignited and burn vigorously.

**Unsuitable extinguishing media**
DO NOT use dry chemical fire extinguishing agents containing ammonium compounds (such as some A:B:C agents), since an explosive compound can
be formed. DO NOT use carbon dioxide, dry chemical powder or other extinguishing agents that smother flames, since they are not effective in extinguishing fires involving oxidizers. Use chemical extinguishing agents with caution.

**Specific hazards arising from the chemical**
May intensify fire; oxidizer. Drying of this product on clothing or combustible materials may cause fire.

**Special protective equipment and precautions for firefighters:**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Firefighting equipment/instructions:**
Evacuate area. Remove all sources of ignition. In case of fire: Stop leak if safe to do so. Move combustibles out of path of advancing pool if you can do so without risk. Move containers from fire area if you can do so without risk. Fight fire from upwind to avoid exposure to combustion products. In case of fire and/or explosion do not breathe fumes.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**
May intensify fire; oxidizer.

**Hazardous combustion products**
Disodium oxide. Hydrogen chloride. Oxygen. Contact with acids, organic materials, reducing agents or chlorine donors will produce chlorine dioxide gas and heat. Ventilate area with large amounts of air to keep the chlorine dioxide concentration low.

### 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**
Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. DO NOT USE RAGS, SAWDUST OR OTHER COMBUSTIBLE ABSORBENTS.

**Methods and materials for containment and cleaning up**
Ventilate the contaminated area. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop the flow of material, if this is without risk. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Use water spray to reduce vapors or divert vapor cloud drift. Do not let the product dry.

**Small Spills:** Absorb spill with vermiculite or other inert material. Neutralize the spilled material before disposal.
Large Spills: Stop the leak, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. If not recoverable, dilute with water or flush to holding area and neutralize. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.

7. Handling and Storage

Precautions for safe handling

Use only in a well-ventilated area. Wear chemically resistant protective equipment during handling. Avoid breathing mist or vapor. Do not taste or swallow. Keep away from heat. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not let the product dry. When using, do not eat, drink or smoke. When preparing or diluting solution, always add to water, slowly and with stirring. When diluting, always add the product to water. Never add water to the product. Keep away from clothing and other combustible materials. Observe good industrial hygiene practices. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Store away from incompatible materials (see Section 10 of the SDS). Store in original tightly closed container. Do not store near combustible materials. Do not handle or store near an open flame, heat or other sources of ignition.

8. Exposure Controls/ Personal Protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use separate, corrosion-resistant ventilation system to capture mist or fume. Do not use wood or other combustibles to construct vent
system. Prevent entry into bearings or gear boxes, which could cause an explosion. Provide eyewash station.

### Individual protection measures, such as personal protective equipment:

**Eye/face protection**
Wear safety glasses with side shields (or goggles) and a face shield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin protection**

**Hand protection**
Gloves impervious to the material are recommended, such as butyl rubber or neoprene gloves. Advice should be sought from glove suppliers.

**Other**
Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Wear chemical protective equipment that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Eye wash facilities and emergency shower must be available when handling this product.

**Respiratory protection**
In case of insufficient ventilation, wear suitable respiratory equipment. A NIOSH/MSHA approved air-purifying respirator with the appropriate chemical cartridges or a positive-pressure, air-supplied respirator may be used to reduce exposure. 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. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Seek advice from respiratory protection specialists.

**Thermal Hazards**
None.

**General hygiene considerations**
Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th><strong>Appearance</strong></th>
<th>Aqueous solution.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td>Liquid.</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>Liquid.</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Clear water-white to slightly yellow liquid</td>
</tr>
</tbody>
</table>
Odor | Odorless to slight Chlorine-like or faint bleach-like
Odor threshold | Not available
pH | 12.5 - 13 (Depends on concentration)
Melting point/Freezing point | -4 to 26 °C (24.8 - 78.8 °F) (Depends on concentration)
Initial boiling point and boiling range | 102 - 112 °C (215.6 - 233.6 °F)
Flash point | Not applicable
Evaporation rate | Not available
Flammability (solid, gas) | Not available
Upper/lower flammability or explosive limits
  Flammability limit – lower (%) | Not applicable
  Flammability limit – upper (%) | Not applicable
Explosive limit – lower (%) | Not available
Explosive limit – upper (%) | Not available
Vapor pressure | Not available
Vapor density | Not available
Relative density | Not available
Solubility (ies) | Not available
  Solubility (water) | Soluble
Partition coefficient (n-octanol/water) | Not available
Auto-ignition temperature | Not available
Decomposition temperature | Not available
Viscosity | Not available
Other information
Density | 1.12 - 1.39 g/cm³ (Depends on concentration)
Flammability | Not applicable
Specific gravity | 1.12 - 1.39 (Depends on concentration)
Surface tension | Not available

10. Stability and Reactivity

Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. Reacts on mixing with acids to give toxic chlorine dioxide and chlorine gases. Mixtures with combustibles, if allowed to dry out, are easily ignited by heat or friction and burn vigorously or may explode.

Chemical stability | Material is stable under normal conditions. Will decompose if heated. Absorption of atmospheric carbon dioxide may lower the pH of the solution, which will cause it to slowly decompose.

Possibility of hazardous reactions | Contact with acids, organic materials, reducing agents and oxidizing agents will release toxic gases of chlorine and/or chlorine dioxide.

Conditions to Avoid | Keep away from heat, sparks and open flame. Keep away from direct sunlight. Contact with incompatible materials. May ignite or explode on contact with combustible materials. This product may react with reducing agents.
**11. Toxicological Information**

**Inhalation**
May be harmful if inhaled.

**Skin contact**
May be harmful in contact with skin.

**Eye contact**
Causes serious eye damage/irritation.

**Ingestion**
Harmful or if swallowed.

**Delayed and immediate effects and chronic effects from short-term and long-term exposure**

**Effects of short-term (acute) exposure:**
Causes serious eye damage, may cause severe irritation and possibly burns. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

May be harmful in contact with skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Acute ingestion of large quantities may also cause anemia due to the oxidizing effects of the chemical.

Material is irritating to mucous membranes and upper respiratory tract. Symptoms may include coughing, bloody nose and sneezing. High concentrations can cause lung damage.

May be harmful or fatal if swallowed. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.

**Effects of long-term (chronic) exposure:**
Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects. Dermatitis is likely to occur from repeated or prolonged contact. Other symptoms may include methemoglobinemia (causes bluish discoloration of the skin and mucous membranes). Will irritate and may cause corrosion of the gastrointestinal tract.
### Information on toxicological effects

#### Acute toxicity

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chlorite Solution 15%-41%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC$_{50}$</td>
<td>Rabbit</td>
<td>560 mg/kg (Calculated ate at 41%)</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD$_{50}$</td>
<td>Rat</td>
<td>402 mg/kg (Calculated ate at 41%)</td>
</tr>
<tr>
<td><strong>Components</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Chlorite (CAS 7752-19-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC$_{50}$</td>
<td>Rat</td>
<td>230 mg/m$^3$ (Mist)</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD$_{50}$</td>
<td>Rat</td>
<td>165 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>Slight irritation (80% sodium chlorite solution)</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

#### Skin corrosion/irritation
Prolonged skin contact may cause temporary irritation.

#### Serious eye damage/eye irritation
Can cause severe eye irritation.

#### Respiratory or skin sensitization

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Respiratory</strong></td>
<td>Not expected to be a respiratory</td>
</tr>
<tr>
<td><strong>sensitization</strong></td>
<td>sensitizer.</td>
</tr>
</tbody>
</table>

| **Skin sensitizer** | May cause mild skin irritation.   |

| **Germ cell mutagenicity** | Not expected to be mutagenic.     |

| **Carcinogenicity** | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |

<table>
<thead>
<tr>
<th><strong>IARC Monographs.</strong></th>
<th>Sodium Chlorite (CAS 7758-19-2) Not classifiable as to carcinogenicity to humans.</th>
</tr>
</thead>
</table>
12. 

**Ecological Information**

**Ecotoxicity**

Toxic to aquatic life. In water and soil, sodium chlorite will eventually degrade to sodium chloride.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chlorite (CAS 7758-19-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Algae</td>
<td>EC50</td>
<td>Green algae (Selenastrum capricornutum)</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Sheepshead minnow (Cyprinodon variegatus)</td>
</tr>
<tr>
<td>Chronic Algae</td>
<td>EC50</td>
<td>Green algae (Selenastrum capricornutum)</td>
</tr>
</tbody>
</table>

**Persistence and degradability**

Biodegradation is not applicable to inorganic substances.

**Bio accumulative potential**

The product itself has not been tested.

**Mobility in soil**

In soil, will degrade to sodium chloride but may form chlorine dioxide in contact with acidic soils. Chlorate is an intermediate product of decomposition; it will slowly degrade to chloride.
Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

TDG

<table>
<thead>
<tr>
<th>Shipping Name (TDGR)</th>
<th>UN Number</th>
<th>Hazard Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorite Solution</td>
<td>UN 1908</td>
<td>8</td>
<td>II</td>
</tr>
</tbody>
</table>

IATA

- UN number: UN 1908
- UN proper shipping name: CHLORITE SOLUTION
- Transport hazard class(es)
  - Class: 8
  - Subsidiary risk: -
- Packing group: II
- Environmental hazards: No
- ERG Code: 8L
- Special precautions for user
  - Read safety instructions, SDS and emergency procedures before handling.
- Other information
  - Passenger and cargo aircraft: Allowed.
  - Cargo aircraft only: Allowed.
IMDG

UN number UN1908
UN proper shipping name CHLORITE SOLUTION
Transport hazard class(es) Class 8
Subsidiary risk -
Packing group II
Environmental hazards
Marine pollutant Yes
EmS F-A, S-B
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

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

IATA; IMDG; TDG

Marine pollutant

General information IMDG Regulated Marine Pollutant.

15. Regulatory Information

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Country</td>
<td>Inventory Name</td>
<td>Yes/No</td>
</tr>
<tr>
<td>----------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue date</td>
<td>2/2/2018</td>
</tr>
<tr>
<td>Revision #</td>
<td>5</td>
</tr>
<tr>
<td>Revision Indicator</td>
<td>Minor revisions to text.</td>
</tr>
</tbody>
</table>
| List of abbreviations | ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstract Services  
CFR: Code of Federal Regulations  
DSL: Domestic Substance List  
EINECS: European Inventory of Existing Commercial chemical Substances  
EPA: Environmental Protection Agency  
HSDB® - Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association  
IBC: Intermediate Bulk Container  
IMDG: International Maritime Dangerous Goods  
LD: Lethal Dose  
LC: Lethal Concentration  
NIOHSH: National Institute of Occupational Safety and Health  
NTP: National Toxicology Program  
OECD: Organization for Economic Cooperation and Development  
OSHA: Occupational Safety and Health Administration  
PPE: Personal Protective Equipment  
RTECS: Registry of Toxic Effects of Chemical Substances  
SDS: Safety Data Sheet |
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Information System  

References  
Canadian Centre for Occupational Health and Safety, CCInfoWeb Databases, 2014 (Chempendium, RTECs, HSDB, INCHEM).  

Disclaimer  
Information presented in this SDS is furnished in accordance with the Workplace Hazardous Materials Information System (WHMIS).

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