1. Product and Company Identification

Product identifier: Pro Series Phos Remove
Other means of identification: Not available
Recommended use: Phosphate remover
Recommended restrictions: None known.
Manufacturer information: NC Brands
40 Richards Ave.
Norwalk, CT 06854 US
Phone: (800) 753-1233
Emergency Phone: CHEMTREC (800) 424-9300
Supplier: See above.

2. Hazards Identification

Physical hazards: Not classified.
Health hazards:
- Acute toxicity, oral: Category 4
- Skin corrosion/irritation: Category 1
- Serious eye damage/eye irritation: Category 1
- Specific target organ toxicity, single exposure: Category 3 respiratory tract irritation
Environmental hazards: Not classified.
WHMIS 2015 defined hazards: Not classified.

Label elements:
- Signal word: Danger
- Hazard statement: Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.
- Precautionary statement:
  - Prevention: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist or vapor. Use only outdoors or in a well-ventilated area.
  - Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Continue rinsing.
- Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed.
- Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC): None known
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC): None known
Hazard(s) not otherwise classified (HNC): None known.
Supplemental information: None.

3. Composition/Information on Ingredients

Mixture
### 4. First Aid Measures

**Inhalation**  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

**Skin contact**  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor. Specific treatment (see information on this label).

**Eye contact**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

**Ingestion**  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

**Most important symptoms/effects, acute and delayed**  
Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**Indication of immediate medical attention and special treatment needed**  
Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

**General information**  
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid contact with eyes and skin. Wear rubber gloves and chemical splash goggles. Keep out of reach of children.

### 5. Fire Fighting Measures

**Suitable extinguishing media**  

**Unsuitable extinguishing media**  
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**  
During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**  
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions**  
Move containers from fire area if you can do so without risk.

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

**General fire hazards**  
No unusual fire or explosion hazards noted.

**Hazardous combustion products**  
May include and are not limited to: Hydrogen chloride. Oxides of sulfur. Oxides of aluminum.

### 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**  
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**  
Stop the flow of material, if this is without risk.

**Large Spills**  
Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

**Small Spills**  
Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**Environmental precautions**  
Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.
7. Handling and Storage

Precautions for safe handling
Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Do not taste or swallow. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Use care in handling/storage.

Conditions for safe storage, including any incompatibilities
Store locked up. Store in original tightly closed container. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

8. Exposure Controls/Personal Protection

## Occupational exposure limits

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum chlorhydate</td>
<td>TWA</td>
<td>2 mg/m3</td>
<td></td>
</tr>
<tr>
<td>(CAS 12042-91-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Fume.</td>
</tr>
</tbody>
</table>

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum chlorhydate</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Respirable.</td>
</tr>
<tr>
<td>(CAS 12042-91-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Fume.</td>
</tr>
</tbody>
</table>

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum chlorhydate</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>(CAS 12042-91-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Fume.</td>
</tr>
</tbody>
</table>

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum chlorhydate</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>(CAS 12042-91-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Fume.</td>
</tr>
</tbody>
</table>

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum chlorhydate</td>
<td>TWA</td>
<td>2 mg/m3</td>
<td></td>
</tr>
<tr>
<td>(CAS 12042-91-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Fume.</td>
</tr>
</tbody>
</table>

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td>PEL</td>
<td>1 mg/m3</td>
<td>Fume.</td>
</tr>
</tbody>
</table>

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum chlorhydate</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>(CAS 12042-91-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td>STEL</td>
<td>2 mg/m3</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Fume.</td>
</tr>
</tbody>
</table>
US. NIOSH: Pocket Guide to Chemical Hazards

Components | Type     | Value    | Form   |
---          | ---      | ---      | ---    |
Aluminum chlorhydrate (CAS 12042-91-0) | TWA      | 2 mg/m³  |        |
Zinc chloride (CAS 7646-85-7) | STEL     | 2 mg/m³  | Fume.  |
TWA          |          | 1 mg/m³  | Fume.  |

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.

Individual protection measures, such as personal protective equipment
- **Eye/face protection**: Safety goggles or glasses.
- **Skin protection**: Impervious gloves. Confirm with reputable supplier first.
- **Hand protection**: Wear appropriate chemical resistant clothing.
- **Respiratory protection**: In case of insufficient ventilation, wear suitable respiratory equipment.
- **Thermal hazards**: Not applicable.
- **General hygiene considerations**: When using, do not eat, drink or 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

- **Appearance**: Clear
- **Physical state**: Liquid
- **Form**: Liquid
- **Color**: Colorless
- **Odor**: Not available
- **Odor threshold**: Not available
- **pH**: 2 - 4
- **Melting point/freezing point**: Not available
- **Initial boiling point and boiling range**: Not available
- **Pour point**: Not available
- **Specific gravity**: 1.1 - 1.3
- **Partition coefficient (n-octanol/water)**: Not available
- **Flash point**: Not available
- **Evaporation rate**: Not available
- **Flammability (solid, gas)**: Not applicable
- **Upper/lower flammability or explosive limits**
  - Flammability limit - lower (%): Not available
  - Flammability limit - upper (%): Not available
  - Explosive limit - lower (%): Not available
  - Explosive limit - upper (%): Not available
- **Vapor pressure**: Not available
- **Vapor density**: Not available
- **Relative density**: 8 - 11 lb/gal
- **Solubility(ies)**: Complete
- **Auto-ignition temperature**: Not available
- **Decomposition temperature**: Not available
- **Viscosity**: Not available
10. Stability and Reactivity

Reactivity
Reacts vigorously with alkaline material.

Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

Chemical stability
Material is stable under normal conditions.

Conditions to avoid
Contact with incompatible materials.

Incompatible materials

Hazardous decomposition products
May include and are not limited to: Hydrogen chloride. Oxides of sulfur. Oxides of aluminum.

11. Toxicological Information

Routes of exposure
Inhalation. Ingestion. Skin contact. Eye contact.

Information on likely routes of exposure

Ingestion
Causes digestive tract burns. Harmful if swallowed.

Inhalation
Prolonged inhalation may be harmful. May cause irritation to the respiratory system.

Skin contact
Causes severe skin burns.

Eye contact
Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics
Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects

Acute toxicity
Harmful if swallowed. May cause respiratory irritation.

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td>Aluminum chlorhydrate (CAS 12042-91-0)</td>
<td></td>
</tr>
<tr>
<td>Dermal LD50 Rat</td>
<td>&gt; 2000 mg/kg, 21 Days, ECHA</td>
</tr>
<tr>
<td></td>
<td>&gt; 2000 mg/kg, 24 Hours, ECHA</td>
</tr>
<tr>
<td>Inhalation LC50 Not available</td>
<td></td>
</tr>
<tr>
<td>Oral LD50 Rat</td>
<td>&gt; 2000 mg/kg, ECHA, male rat</td>
</tr>
<tr>
<td></td>
<td>9187 mg/kg, ECHA, female rat</td>
</tr>
<tr>
<td>Lanthanum Chloride (lac3), Hydrate (CAS 20211-76-1)</td>
<td></td>
</tr>
<tr>
<td>Acute Dermal LD50 Not available</td>
<td></td>
</tr>
<tr>
<td>Inhalation LC50 Not available</td>
<td></td>
</tr>
<tr>
<td>Oral LD50 Rat</td>
<td>4184 mg/kg, Sigma Aldrich</td>
</tr>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td></td>
</tr>
<tr>
<td>Acute Dermal LD50 Not available</td>
<td></td>
</tr>
<tr>
<td>Inhalation LC50 Not available</td>
<td></td>
</tr>
<tr>
<td>Oral LD50 Guinea pig</td>
<td>200 mg/kg</td>
</tr>
</tbody>
</table>
|                                   | Mouse                                            | 350 mg/kg
### Test Results

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exposure minutes</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Erythema value</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Oedema value</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td><strong>Serious eye damage/eye irritation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corneal opacity value</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Iris lesion value</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Conjunctival reddening value</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Conjunctival oedema value</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Recover days</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitization</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada - Alberta OELs: Irritant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminum chlorhydrate (CAS 12042-91-0)</td>
<td>Irritant</td>
<td></td>
</tr>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td>Irritant</td>
<td></td>
</tr>
<tr>
<td><strong>Respiratory sensitization</strong></td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td><strong>Skin sensitization</strong></td>
<td>This product is not expected to cause skin sensitization.</td>
<td></td>
</tr>
<tr>
<td><strong>Mutagenicity</strong></td>
<td>No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.</td>
<td></td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td>This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.</td>
<td></td>
</tr>
<tr>
<td>Canada - Manitoba OELs: carcinogenicity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALUMINUM METAL AND INSOLUBLE COMPOUNDS, RESPIRABLE FRACTION (CAS 12042-91-0)</td>
<td>Not classifiable as a human carcinogen.</td>
<td></td>
</tr>
<tr>
<td>Not listed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Reproductive toxicity</strong></td>
<td>This product is not expected to cause reproductive or developmental effects.</td>
<td></td>
</tr>
<tr>
<td><strong>Teratogenicity</strong></td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td><strong>Specific target organ toxicity - single exposure</strong></td>
<td>Respiratory tract irritation.</td>
<td></td>
</tr>
<tr>
<td><strong>Specific target organ toxicity - repeated exposure</strong></td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td><strong>Aspiration hazard</strong></td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td><strong>Chronic effects</strong></td>
<td>Prolonged inhalation may be harmful.</td>
<td></td>
</tr>
</tbody>
</table>

### Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>See below</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ecotoxicological data</strong></td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>Species</td>
</tr>
<tr>
<td>Zinc chloride (CAS 7646-85-7)</td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
</tr>
<tr>
<td><strong>Persistence and degradability</strong></td>
<td>No data is available on the degradability of this product.</td>
</tr>
<tr>
<td><strong>Bioaccumulative potential</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Mobility in soil</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Mobility in general</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Other adverse effects</strong></td>
<td>No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.</td>
</tr>
</tbody>
</table>
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. Incinerate the material under controlled conditions in an approved incinerator. 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

Transport of Dangerous Goods (TDG) Proof of Classification
In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue.

U.S. Department of Transportation (DOT)
Basic shipping requirements:
- UN number: UN3264
- Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s.
- Technical name: Zinc chloride
- Hazard class: 8
- Packing group: III
- Marine pollutant: Yes
- Special provisions: IB3, T7, TP1, TP28
- Packaging exceptions: <5L - Limited Quantity
- Packaging non bulk: 203
- Packaging bulk: 241

Transportation of Dangerous Goods (TDG - Canada)
Basic shipping requirements:
- UN number: UN3264
- Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
- Technical name: Zinc chloride
- Hazard class: 8
- Packing group: III
- Marine pollutant: Yes
- Special provisions: 16
- Packaging exceptions: <5L - Limited Quantity

IMDG (Marine Transport)
Basic shipping requirements:
- UN number: UN3264
- Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
- Technical name: Zinc chloride
- Hazard class: 8
- Packing group: III
- Marine pollutant: Yes
- EmS: F-A, S-B

DOT

[Corrosive symbol]
15. Regulatory Information

Canadian federal regulations
This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada CEPA Schedule I: Listed substance
Zinc chloride (CAS 7646-85-7) Listed.

Canada Priority Substances List (Second List): Listed substance
Zinc chloride (CAS 7646-85-7) Listed.

Export Control List (CEPA 1999, Schedule 3)
Not listed.

Greenhouse Gases
Not listed.

Precursor Control Regulations
Not regulated.

WHMIS 2015 Exemptions
Not applicable

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Zinc chloride (CAS 7646-85-7) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7</td>
<td>9</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)
Hazardous substance

US state regulations

US - California Hazardous Substances (Director’s): Listed substance
Aluminum chlorhydrate (CAS 12042-91-0) Listed.
Zinc chloride (CAS 7646-85-7) Listed.

Zinc chloride (CAS 7646-85-7) Listed.
US - Louisiana Spill Reporting: Listed substance
Zinc chloride (CAS 7646-85-7) Listed.

US - Michigan Critical Materials Register: Parameter number
Zinc chloride (CAS 7646-85-7) ZINC

US - Minnesota Haz Subs: Listed substance
Aluminum chlorhydrate (CAS 12042-91-0) Listed.
Zinc chloride (CAS 7646-85-7) Listed.

US - New Jersey RTK - Substances: Listed substance
Zinc chloride (CAS 7646-85-7)

US - Texas Effects Screening Levels: Listed substance
Aluminum chlorhydrate (CAS 12042-91-0) Listed.
Zinc chloride (CAS 7646-85-7) Listed.

US. Massachusetts RTK - Substance List
Zinc chloride (CAS 7646-85-7)

US. New Jersey Worker and Community Right-to-Know Act
Zinc chloride (CAS 7646-85-7)

US. Pennsylvania Worker and Community Right-to-Know Law
Aluminum chlorhydrate (CAS 12042-91-0)
Zinc chloride (CAS 7646-85-7)

US. Rhode Island RTK
Zinc chloride (CAS 7646-85-7)

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<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>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)

16. Other Information

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**Legend**

| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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02

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**Prepared by**

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

**Other information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.