1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>Protinus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>Not available</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Plant Food</td>
</tr>
<tr>
<td>Recommended restrictions</td>
<td>None known.</td>
</tr>
<tr>
<td>Manufacturer information</td>
<td>Compass Minerals USA Inc. 9900 West 109th Street, Suite 100 Overland Park, KS 66210 US Phone (913) 344-9200</td>
</tr>
<tr>
<td>Supplier</td>
<td>Compass Minerals Manitoba Inc. 6700 Century Avenue Mississauga L5N 6A4 CA <a href="http://www.compassminerals.com/">http://www.compassminerals.com/</a> Phone (905) 567-0231 <a href="mailto:techservicesrequests@compassminerals.com">techservicesrequests@compassminerals.com</a></td>
</tr>
<tr>
<td>CHEMTREC</td>
<td>1-800-424-9300</td>
</tr>
<tr>
<td>CANUTEC</td>
<td>1-613-996-6666</td>
</tr>
</tbody>
</table>

2. Hazards Identification

Physical hazards: Not classified.
Health hazards:
- Acute toxicity, oral Category 4
- Acute toxicity, dermal Category 3
- Serious eye damage/eye irritation Category 1
- Specific target organ toxicity, repeated exposure Category 2

Environmental hazards: Not classified.

WHMIS 2015 defined hazards: Not classified

Label elements

<table>
<thead>
<tr>
<th>Signal word</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard statement</td>
<td>Harmful if swallowed. Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>Precautionary statement</td>
<td></td>
</tr>
<tr>
<td>Prevention</td>
<td>Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear eye/face protection.</td>
</tr>
<tr>
<td>Response</td>
<td>IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.</td>
</tr>
<tr>
<td>Storage</td>
<td>Store away from incompatible materials.</td>
</tr>
<tr>
<td>Disposal</td>
<td>Dispose of contents/container in accordance with local/regional/national/international regulations.</td>
</tr>
</tbody>
</table>

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 (HNOC) None known.
### 3. Composition/Information on Ingredients

#### Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal oxide</td>
<td>HMIRA 10635</td>
<td>HMIRA 10635</td>
<td></td>
</tr>
<tr>
<td>Metal Salt #1</td>
<td>HMIRA 10635</td>
<td>HMIRA 10635</td>
<td></td>
</tr>
<tr>
<td>Metal Salt #2</td>
<td>HMIRA 10635</td>
<td>HMIRA 10635</td>
<td></td>
</tr>
<tr>
<td>Metalloid oxide</td>
<td>HMIRA 10635</td>
<td>HMIRA 10635</td>
<td></td>
</tr>
</tbody>
</table>

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### Composition comments

The filing date associated with this trade secret exemption is 2016-11-23.

### 4. First Aid Measures

#### Inhalation

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

#### Skin contact

Brush away excess of dry material. Flush with water. Obtain medical attention if irritation persists.

#### 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: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

#### Most important symptoms/effects, acute and delayed

Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.

#### Indication of immediate medical attention and special treatment needed

Symptoms may be delayed.

#### General information

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). 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. Avoid contact with eyes and skin. Wear suitable protective clothing. Keep out of reach of children.

### 5. Fire Fighting Measures

#### Suitable extinguishing media

Water spray. Water fog. Foam. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust.

#### Unsuitable extinguishing media

None known.

#### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed. Firefighters should wear a self-contained breathing apparatus.

#### Special protective equipment and precautions for firefighters

Firefighters should wear full protective clothing including self-contained breathing apparatus.

#### Fire-fighting equipment/instructions

In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out. Cool containers exposed to flames with water until well after the fire is out. Not available.

#### Hazardous combustion products

May include and are not limited to: Oxides of carbon. Oxides of sulfur. Metal oxides.

### 6. Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep out of low areas. 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. 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

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Sweep up or vacuum up spillage and collect in suitable container for disposal. Following product recovery, flush area with water.

#### Environmental precautions

Avoid discharge into drains, water courses or onto the ground.
7. Handling and Storage

Precautions for safe handling
Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Minimize dust generation and accumulation. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing dust. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Keep container tightly closed.

Conditions for safe storage, including any incompatibilities
Keep away from heat, sparks and open flame. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Keep only in the original container. Store in a cool, dry place out of direct sunlight. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

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>Metal oxide (CAS HMIRA 10635)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Metal Salt #1 (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>0.2 mg/m³</td>
<td>Respirable.</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>Metal oxide (CAS HMIRA 10635)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Metal Salt #1 (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>0.2 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Metalloid oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>4 mg/m³</td>
<td>Total 1.5 mg/m³ Respirable.</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>Metal oxide (CAS HMIRA 10635)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Metal Salt #1 (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>0.02 mg/m³</td>
<td>Respirable fraction.</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>Metal oxide (CAS HMIRA 10635)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Metal Salt #1 (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>0.2 mg/m³</td>
<td>Respirable fraction.</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>Metal oxide (CAS HMIRA 10635)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Dust.</td>
</tr>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>6 mg/m³</td>
<td>Respirable dust.</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>Metal oxide (CAS HMIRA 10635)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Metal Salt #1 (CAS HMIRA 10635)</td>
<td>Ceiling</td>
<td>5 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

### US. OSHA Table Z-3 (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metalloid oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>0.8 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20 mppcf</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>Metal oxide (CAS HMIRA 10635)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Metal Salt #1 (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.02 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
</tbody>
</table>

### US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td>Ceiling</td>
<td>15 mg/m³</td>
<td>Dust.</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td>Metal Salt #1 (CAS HMIRA 10635)</td>
<td>STEL</td>
<td>3 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td>Metalloid oxide (CAS HMIRA 10635)</td>
<td>TWA</td>
<td>6 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

#### 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. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

#### Individual protection measures, such as personal protective equipment
- **Eye/face protection**: Safety goggles or glasses.
- **Skin protection**: Protective gloves are recommended.
- **Hand protection**: Wear suitable protective clothing. As required by employer code.
- **Respiratory protection**: Use of personal dust mask is recommended. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
- **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 | Solid. |
| Physical state | Solid. |
| Form | Powder |
| Color | Pink |
| Odor | Odorless |
| Odor threshold | Not available. |
pH: 6.5 - 7 (5% solution)

Initial boiling point and boiling range: Not applicable.

Pour point: Not available.

Specific gravity: Not available.

Partition coefficient (n-octanol/water): Not available.

Flash point: Not available.

Evaporation rate: Not applicable.

Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits:
- Flammability limit - lower (%): Non-flammable.
- Flammability limit - upper (%): Non-flammable.
- Explosive limit - lower (%): Non-explosive.
- Explosive limit - upper (%): Non-explosive.

Vapor pressure: Not applicable.

Relative density: Not available.

Solubility(ies): Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Viscosity: Not applicable.

10. Stability and Reactivity

Reactivity: Do not mix with other chemicals.

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

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Keep away from heat, sparks and open flame. Minimize dust generation and accumulation.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: May include and are not limited to: Oxides of nitrogen. Oxides of sulfur. Metal oxides.

11. Toxicological Information

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

Information on likely routes of exposure:
- Ingestion: Harmful if swallowed.
- Inhalation: Prolonged inhalation may be harmful.
- Skin contact: May be harmful in contact with skin.
- Eye contact: Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics: 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.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal oxide (CAS HMIRA 10635)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Mouse</td>
<td>&gt; 5.7 mg/L, 4 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2500 mg/m3</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>7950 mg/kg</td>
</tr>
<tr>
<td>Components</td>
<td>Species</td>
<td>Test Results</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>&gt; 5 g/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5000 mg/kg</td>
</tr>
</tbody>
</table>

**Metal Salt #1 (CAS HMIRA 10635)**

**Acute**

*Inhalation*

LC50 | Not available

*Oral*

LD50 | Mouse | 2330 mg/kg

LD50 | Rat    | 2150 mg/kg

**Metal Salt #2 (CAS HMIRA 10635)**

**Acute**

*Dermal*

LD50 | Rat    | > 2000 mg/kg

*Oral*

LD50 | Mouse | 57 mg/kg

LD50 | Rat    | 623 mg/kg

**Metalloid oxide (CAS HMIRA 10635)**

**Acute**

*Dermal*

LD50 | Rabbit | > 2000 mg/kg

*Inhalation*

LC50 | Not available

*Oral*

LD50 | Mouse | > 15000 mg/kg

LD50 | Rat    | > 5000 mg/kg

**Skin corrosion/irritation**

- Prolonged skin contact may cause temporary irritation.

- Not available.

**Serious eye damage/eye irritation**

- Causes serious eye damage.

**Respiratory or skin sensitization**

- Not available.

- Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

**Mutagenicity**

- Not classified.

**Carcinogenicity**

- Not classified.

**Canada - Manitoba OELs: carcinogenicity**

MANGANESE ELEMENTAL AND INORGANIC COMPOUNDS, AS MN, INHALABLE FRACTION (CAS HMIRA 10635)

- Not classifiable as a human carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Metalloid oxide (CAS HMIRA 10635)

- Volume 68 - 3 Not classifiable as to carcinogenicity to humans.


- Not listed.

**Reproductive toxicity**

- Non-hazardous by WHMIS/OSHA criteria.

**Teratogenicity**

- Non-hazardous by WHMIS/OSHA criteria.

**Specific target organ toxicity - single exposure**

- Not classified.
Specific target organ toxicity - repeated exposure
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard
Not available.

Chronic effects
Prolonged inhalation may be harmful.
May cause damage to organs through prolonged or repeated exposure.
Chronic manganese poisoning can result in impairment of the central nervous system and lung damage.

12. Ecological Information

Ecotoxicity
See below

Ecotoxicological data
Components
Species Test Results
Metal oxide (CAS HMIRA 10635)

Aquatic
Fish LC50 Fathead minnow (Pimephales promelas) 2246 mg/L, 96 hours
Crustacea EC50 Water flea (Daphnia magna) 7.09 - 9.36 mg/L, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 24.3 - 38.9 mg/L, 96 hours
Crustacea EC50 Rotifer (Philodina acuticornis) 0.3 mg/L, 48 hours
Fish LC50 Rainbow trout,donaldson trout (Oncorhynchus mykiss) 0.162 mg/L, 96 hours
Algae IC50 Algae 440 mg/L, 72 Hours
Crustacea EC50 Daphnia 7600 mg/L, 48 Hours

Persistence and degradability
No data is available on the degradability of this product.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Mobility in general
Not available.

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, 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.

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)
Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)
Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations
Not available

Canada CEPA Schedule I: Listed substance
Metal oxide (CAS HMIRA 10635) Listed.
Metal Salt #2 (CAS HMIRA 10635) Listed.

Canada Priority Substances List (Second List): Listed substance
Metal oxide (CAS HMIRA 10635) Listed.
Metal Salt #2 (CAS HMIRA 10635) Listed.
Export Control List (CEPA 1999, Schedule 3)
Not listed.

Greenhouse Gases
Not listed.

Precursor Control Regulations
Not regulated.

WHMIS 2015 Exemptions
Controlled

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)
Metal oxide (CAS HMIRA 10635) Listed.
Metal Salt #1 (CAS HMIRA 10635) 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 - Yes
Fire Hazard - Yes
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>Metal oxide</td>
<td>HMIRA 10635</td>
<td>HMIRA 10635</td>
</tr>
<tr>
<td>Metal Salt #1</td>
<td>HMIRA 10635</td>
<td>HMIRA 10635</td>
</tr>
<tr>
<td>Metal Salt #2</td>
<td>HMIRA 10635</td>
<td>HMIRA 10635</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Metal Salt #1 (CAS HMIRA 10635)

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

US state regulations

See below

US - California Hazardous Substances (Director's): Listed substance
Metal oxide (CAS HMIRA 10635) Listed.
Metal Salt #1 (CAS HMIRA 10635) Listed.
Metal Salt #2 (CAS HMIRA 10635) Listed.
Metalloid oxide (CAS HMIRA 10635) Listed.

Metal oxide (CAS HMIRA 10635)
Metal Salt #1 (CAS HMIRA 10635)

US - Louisiana Spill Reporting: Listed substance
Metal oxide (CAS HMIRA 10635) Listed.
Metal Salt #1 (CAS HMIRA 10635) Listed.

US - Michigan Critical Materials Register: Parameter number
Metal oxide (CAS HMIRA 10635) ZINC
Metal Salt #2 (CAS HMIRA 10635) ZINC

US - Minnesota Haz Subs: Listed substance
Metal oxide (CAS HMIRA 10635) Listed.
Metal Salt #1 (CAS HMIRA 10635) Listed.
Metalloid oxide (CAS HMIRA 10635) Listed.

US - New Jersey RTK - Substances: Listed substance
Metal oxide (CAS HMIRA 10635)
Metal Salt #1 (CAS HMIRA 10635)
Metalloid oxide (CAS HMIRA 10635)

US - North Carolina Toxic Air Pollutants: Listed substance
Metal Salt #1 (CAS HMIRA 10635)
US - Texas Effects Screening Levels: Listed substance
Metal oxide (CAS HMIRA 10635) Listed.
Metalloid oxide (CAS HMIRA 10635) Listed.

US. Massachusetts RTK - Substance List
Metal oxide (CAS HMIRA 10635)
Metal Salt #2 (CAS HMIRA 10635)
Metalloid oxide (CAS HMIRA 10635)

US. New Jersey Worker and Community Right-to-Know Act
Metal oxide (CAS HMIRA 10635)
Metal Salt #1 (CAS HMIRA 10635)
Metal Salt #2 (CAS HMIRA 10635)

US. Pennsylvania Worker and Community Right-to-Know Law
Metal oxide (CAS HMIRA 10635)
Metal Salt #1 (CAS HMIRA 10635)
Metalloid oxide (CAS HMIRA 10635)

US. Rhode Island RTK
Metal oxide (CAS HMIRA 10635)
Metal Salt #1 (CAS HMIRA 10635)

US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

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

LEGEND

<table>
<thead>
<tr>
<th>Level</th>
<th>Severity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe</td>
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</tr>
<tr>
<td>Serious</td>
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</tr>
<tr>
<td>Moderate</td>
<td>2</td>
</tr>
<tr>
<td>Slight</td>
<td>1</td>
</tr>
<tr>
<td>Minimal</td>
<td>0</td>
</tr>
</tbody>
</table>

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.

Disclaimer

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Effective date 30-May-2017
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.