# SAFETY DATA SHEET

## 1. Product and Company Identification

| | |
|---|---|
| **Product identifier** | **Drain Out Crystal** |
| **Other means of identification** | Not available |
| **Recommended use** | Drain opener |
| **Recommended restrictions** | None known. |
| **Manufacturer** | Iron Out dba Summit Brands<br>7201 Engle Road<br>Fort Wayne, IN 46804-5875 US<br>Phone: 260-483-2519<br>Emergency Phone: 1-800-424-9300 (CHEMTREC) |

## 2. Hazards Identification

| | | |
|---|---|---|
| **Physical hazards** | Oxidizing solids | Category 3 |
| | Corrosive to metals | Category 1 |
| **Health hazards** | Skin corrosion/irritation | Category 1A |
| | Serious eye damage/eye irritation | Category 1 |
| | Specific target organ toxicity, single exposure | Category 3 respiratory tract irritation |
| **Environmental hazards** | Not classified. | |
| **OSHA defined hazards** | Not classified. | |

**Label elements**

**Signal word** Danger

**Hazard statement**
May intensify fire; oxidizer.
May be corrosive to metals.
Causes severe skin burns and eye damage.
May cause respiratory irritation.

**Precautionary statement**

**Prevention**
Keep away from heat. Keep/Store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Wear protective gloves/protective clothing/eye protection/face protection.
Keep only in original container.
Wash thoroughly after handling. Do not breathe dust.
Use only outdoors or in a well-ventilated area.

**Response**
In case of fire: Use appropriate media to extinguish.
Absorb spillage to prevent material damage.
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. Specific treatment (see this label).
If inhaled: Remove person to fresh air and keep comfortable for breathing.
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.

**Storage**
Store in corrosive resistant container with a resistant inner liner. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

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

**Hazard(s) not otherwise classified (HNOC)**
None known.

**Supplemental information**
57% of the mixture consists of component(s) of unknown acute oral toxicity. 90% of the mixture consists of component(s) of unknown acute inhalation toxicity.

## 3. Composition/Information on Ingredients

**Mixture**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Sodium hydroxide | | 1310-73-2 | 40-70 |
| Sodium nitrate | | 7631-99-4 | 30-60 |
| Sodium carbonate | | 497-19-8 | 5-10 |
| Aluminum | | 7429-90-5 | 1-5 |

**Composition comments** US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

## 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/shower. Wash contaminated clothing before reuse. Specific treatment (see product label). Immediately call a poison center/doctor/.

**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.

**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. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. 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** Treat for surrounding material.

**Unsuitable extinguishing media** None known.

**Specific hazards arising from the chemical** May intensify fire; oxidizer. Decomposition releases oxygen which may intensify fire.

**Special protective equipment and precautions for firefighters** Firefighters should wear full protective clothing including self contained breathing apparatus.

**Fire-fighting equipment/instructions** Move containers from fire area if you can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Specific methods** Cool containers exposed to flames with water until well after the fire is out.

**General fire hazards** May intensify fire; oxidizer. These substances will accelerate burning when involved in a fire.

**Hazardous combustion products** May include and are not limited to: Oxides of carbon. Oxides of sodium. Oxides of nitrogen. Hydrogen chloride.

**Explosion data**

**Sensitivity to mechanical impact** Not available.

**Sensitivity to static discharge** Not available.

## 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. Ventilate closed spaces before entering them. 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). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop the flow of material, if this is without risk. Absorb spillage to prevent material damage. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. Prevent entry into waterways, sewers, basements or confined areas.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

## 7. Handling and Storage

**Precautions for safe handling**

DANGER -- CORROSIVE
Keep away from heat. Take any precaution to avoid mixing with combustibles. Use only with adequate ventilation. DO NOT get in eyes, on skin or clothing. Avoid breathing dust. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Store in corrosive resistant container with a resistant inner liner. Store in a closed container away from incompatible materials. Keep only in the original container. Store in a cool, dry place out of direct sunlight. Do not store near combustible materials. Keep out of reach of children. Keep away from heat, open flames or other sources of ignition.

## 8. Exposure Controls/Personal Protection

**Occupational exposure limits**

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

| Components | Type | Value | Form |
|---|---|---|---|
| Aluminum (CAS 7429-90-5) | PEL | 5 mg/m3 | Respirable dust. |
| | | 15 mg/m3 | Total dust. |
| Sodium hydroxide (CAS 1310-73-2) | PEL | 2 mg/m3 | |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Aluminum (CAS 7429-90-5) | TWA | 1 mg/m3 | Respirable fraction. |
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 | |

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

| Components | Type | Value | Form |
|---|---|---|---|
| Aluminum (CAS 7429-90-5) | TWA | 5 mg/m3 | Respirable. |
| | | 5 mg/m3 | Welding fume or pyrophoric powder. |
| | | 10 mg/m3 | Total |
| Sodium hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 | |

**Biological limit values**

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

**Exposure guidelines**

Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.

**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**

Chemical splash goggles.

**Skin protection**

**Hand protection**

Rubber gloves. Confirm with a reputable supplier first.

**Other**

Rubber apron recommended. Wear appropriate chemical resistant clothing. As required by employer code.

**Respiratory protection**

Wear positive pressure self-contained breathing apparatus (SCBA). Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

**Thermal hazards**

Not applicable.

**General hygiene considerations**

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. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

## 9. Physical and Chemical Properties

**Appearance**

Granular powder with aluminum chips

**Physical state**

Solid.

**Form**

Solid.

**Color**

White

**Odor**

Sweet

**Odor threshold**

Not available.

| | |
|---|---|
| **pH** | Not available. |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | Not available. |
| **Pour point** | Not available. |
| **Specific gravity** | Not available. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Flash point** | None |
| **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** | Not available. |
| **Solubility(ies)** | Not available. |
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |

## 10. Stability and Reactivity

| | |
|---|---|
| **Reactivity** | Reacts with soft metals producing flammable hydrogen gas.<br>Dissolves in water releasing heat.<br>Reacts vigorously with acids. |
| **Possibility of hazardous reactions** | Hazardous polymerization does not occur. |
| **Chemical stability** | Stable under recommended storage conditions. |
| **Conditions to avoid** | Do not mix with other chemicals. Contact with incompatible materials. Excessive heat. |
| **Incompatible materials** | Acids. Reducing agents. |
| **Hazardous decomposition products** | May include and are not limited to: Hydrogen chloride. Oxides of sodium. Oxides of nitrogen. Oxides of carbon. |

## 11. Toxicological Information

| | |
|---|---|
| **Routes of exposure** | Eye, Skin contact, Inhalation, Ingestion. |
| **Information on likely routes of exposure** | |
| **Ingestion** | Causes digestive tract burns. |
| **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** May cause respiratory irritation.

| Components | Species | Test Results |
|---|---|---|
| Aluminum (CAS 7429-90-5) | | |
| **Acute** | | |
| LD50 | Not available | |
| *Inhalation* | | |
| LC50 | Rat | > 1000 mg/m3 |

| Components | Species | Test Results |
|---|---|---|
| Sodium carbonate (CAS 497-19-8) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rat | > 2000 mg/kg |
| *Inhalation* | | |
| LC50 | Guinea pig | 400 mg/m3 |
| | | 0.8 mg/L, 2 Hours |
| | Mouse | 1.2 mg/L, 2 Hours |
| | Rat | 2.3 mg/L, 2 Hours |
| *Oral* | | |
| LD50 | Rat | 4090 mg/kg |
| Sodium hydroxide (CAS 1310-73-2) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | 1350 mg/kg |
| *Inhalation* | | |
| LC50 | Not available | |
| *Oral* | | |
| LD50 | Not available | |
| Sodium nitrate (CAS 7631-99-4) | | |
| **Acute** | | |
| *Oral* | | |
| LD50 | Cow | 450 mg/kg |
| | Mouse | 2480 mg/kg |
| | Rabbit | 1600 mg/kg |
| | Rat | 1267 mg/kg |

**LC50**

Not available.

| | |
|---|---|
| **Skin corrosion/irritation** | Causes severe skin burns and eye damage. |
| **Exposure minutes** | Not available. |
| **Erythema value** | Not available. |
| **Oedema value** | Not available. |
| **Serious eye damage/eye irritation** | Causes serious eye damage. |
| **Corneal opacity value** | Not available. |
| **Iris lesion value** | Not available. |
| **Conjunctival reddening value** | Not available. |
| **Conjunctival oedema value** | Not available. |
| **Recover days** | Not available. |
| **Respiratory or skin sensitization** | |
| **Respiratory sensitization** | Not available. |
| **Skin sensitization** | Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis. |
| **Germ cell mutagenicity** | Not available. |
| **Mutagenicity** | Not available |
| **Carcinogenicity** | Ingredients not listed below are not classified or listed by IARC, NTP, OSHA and ACGIH. |
| **ACGIH Carcinogens** | |
| Aluminum (CAS 7429-90-5) | A4 Not classifiable as a human carcinogen. |
| **Reproductive toxicity** | Not available. |
| **Teratogenicity** | Not available. |
| **Specific target organ toxicity - single exposure** | Respiratory tract irritation. |

| | |
|---|---|
| **Specific target organ toxicity - repeated exposure** | Not classified. |
| **Aspiration hazard** | Not available. |
| **Chronic effects** | Prolonged inhalation may be harmful. |
| **Further information** | Not available. |
| **Name of Toxicologically Synergistic Products** | Not available. |

## 12. Ecological Information

**Ecotoxicity** See below

| Components | | Species | Test Results |
|---|---|---|---|
| Aluminum (CAS 7429-90-5) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 0.16 mg/L, 96 hours |
| Sodium carbonate (CAS 497-19-8) | | | |
| Crustacea | EC50 | Daphnia | 265 mg/L, 48 Hours |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 156.6 - 298.9 mg/L, 48 hours |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 300 mg/L, 96 hours |
| Sodium hydroxide (CAS 1310-73-2) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 34.59 - 47.13 mg/L, 48 hours |
| Fish | LC50 | Western mosquitofish (Gambusia affinis) | 125 mg/L, 96 hours |
| Sodium nitrate (CAS 7631-99-4) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 994.4 - 1107 mg/L, 96 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, 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

| | |
|---|---|
| **General** | Canada: 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. If applicable, the technical name and the classification of the product will appear below. |

**U.S. Department of Transportation (DOT)**

**Basic shipping requirements:**

| | |
|---|---|
| **UN number** | UN3084 |

| | |
|---|---|
| **Proper shipping name** | Corrosive solids, oxidizing, n.o.s. (Sodium hydroxide, Sodium nitrate) |
| **Hazard class** | 8 |
| **Subsidiary hazard class** | 5.1 |
| **Packing group** | II |
| **Special provisions** | IB6, IP2, T3, TP33 |
| **Packaging exceptions** | None |

**Transportation of Dangerous Goods (TDG - Canada)**

**Basic shipping requirements:**

| | |
|---|---|
| **UN number** | UN3084 |
| **Proper shipping name** | CORROSIVE SOLID, OXIDIZING, N.O.S. (Sodium hydroxide, Sodium nitrate) |
| **Hazard class** | 8 |
| **Subsidiary hazard class** | 5.1 |
| **Packing group** | II |
| **Special provisions** | 16 |

**DOT**


**TDG**


## 15. Regulatory Information

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

**Canada WHMIS Ingredient Disclosure: Threshold limits**

| | |
|---|---|
| Aluminum (CAS 7429-90-5) | 1 % |
| Sodium carbonate (CAS 497-19-8) | 1 % |
| Sodium hydroxide (CAS 1310-73-2) | 1 % |
| Sodium nitrate (CAS 7631-99-4) | 1 % |

**WHMIS status** Controlled

**WHMIS classification** Class C - Oxidizing Material, Class E - Corrosive Material

**WHMIS labeling**

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

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

| | |
|---|---|
| Aluminum (CAS 7429-90-5) | 1.0 % |
| Sodium nitrate (CAS 7631-99-4) | 1.0 % N511 |

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

| | |
|---|---|
| Aluminum (CAS 7429-90-5) | Listed. |
| Sodium nitrate (CAS 7631-99-4) | Listed. N511 |

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**US CWA Section 311 Hazardous Substances: Listed substance**

Sodium hydroxide (CAS 1310-73-2) Listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Sodium hydroxide (CAS 1310-73-2) Listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

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

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt. |
|---|---|---|
| Sodium nitrate | 7631-99-4 | 30-60 |
| Aluminum | 7429-90-5 | 1-5 |

**Other federal regulations**

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Hazardous Substances (Director's): Listed substance**

Aluminum (CAS 7429-90-5) Listed.
Sodium hydroxide (CAS 1310-73-2) Listed.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Sodium hydroxide (CAS 1310-73-2) Listed.

**US - Louisiana Spill Reporting: Listed substance**

Sodium hydroxide (CAS 1310-73-2) Listed.

**US - Minnesota Haz Subs: Listed substance**

Aluminum (CAS 7429-90-5) Listed.
Sodium hydroxide (CAS 1310-73-2) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Aluminum (CAS 7429-90-5) Listed.
Sodium hydroxide (CAS 1310-73-2) Listed.
Sodium nitrate (CAS 7631-99-4) Listed.

**US - New York Release Reporting: Hazardous Substances: Listed substance**

Sodium hydroxide (CAS 1310-73-2) Listed.

**US - Texas Effects Screening Levels: Listed substance**

Aluminum (CAS 7429-90-5) Listed.
Sodium carbonate (CAS 497-19-8) Listed.
Sodium hydroxide (CAS 1310-73-2) Listed.
Sodium nitrate (CAS 7631-99-4) Listed.

**US. Massachusetts RTK - Substance List**

Aluminum (CAS 7429-90-5) Listed.
Sodium hydroxide (CAS 1310-73-2) Listed.
Sodium nitrate (CAS 7631-99-4) Listed.

**US. Pennsylvania RTK - Hazardous Substances**

Aluminum (CAS 7429-90-5) Listed.
Sodium hydroxide (CAS 1310-73-2) Listed.
Sodium nitrate (CAS 7631-99-4) Listed.

**US. Rhode Island RTK**

Aluminum (CAS 7429-90-5) Listed.
Sodium hydroxide (CAS 1310-73-2) Listed.

| | | |
|---|---|---|
| Sodium nitrate (CAS 7631-99-4) | Listed. | |

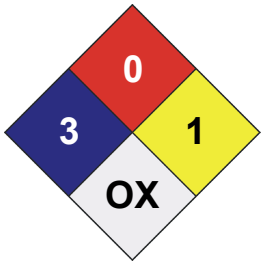
**Inventory status**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

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


**Disclaimer**

The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

**Issue date** 24-September-2015

**Effective date** 24-September-2015

**Expiry date** 24-September-2018

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

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

**Other information** This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).
Redbook revision # 8, 10/22/10