SAFETY DATA SHEET

1. Identification

Product identifier: Drain Out Drain Freshener & Clog Preventer
Other means of identification: Not available.
Recommended use: Drain maintainer
Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information
Manufacturer
Company name: Iron Out dba Summit Brands
Address: 6714 Pointe Inverness Way, Suite 200
Fort Wayne, IN 46804-7935
Telephone: 260-483-2519
E-mail: Not available.

Emergency phone number: 1-800-424-9300 (CHEMTREC)
Supplier: See above.

2. Hazard identification

Physical hazards: Not classified.
Health hazards: Serious eye damage/eye irritation Category 2
Environmental hazards: Not classified.

WHMIS 2015 defined hazards: Not classified

Label elements

Signal word: Warning
Hazard statement: Causes serious eye irritation.
Precautionary statement
Prevention: Wash thoroughly after handling. Wear eye protection.
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage: Store away from incompatible materials.
Disposal: Dispose of container in accordance with local, regional, national and 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 (HNOC): None known.
Supplemental information: None.

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>Alcohols, C9-11, ethoxylated</td>
<td></td>
<td>68439-46-3</td>
<td>1-5*</td>
</tr>
</tbody>
</table>

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
4. First-aid measures

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

**Skin contact**
Flush with cool water. Wash with soap and 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. If eye irritation persists: Get medical attention.

**Ingestion**
Rinse mouth. Do not induce vomiting. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.

**Most important symptoms/effects, acute and delayed**
Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**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 safety glasses with side shields. Keep out of reach of children.

5. Fire-fighting measures

**Suitable extinguishing media**
Treat for surrounding material.

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

**Specific hazards arising from the chemical**
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**
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: Oxides of carbon.

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**
Large Spills: Stop leak if you can do so without risk. 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
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**
Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Avoid contact with eyes, skin and clothing.

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

Exposure guidelines

Canada - Manitoba OELs: Skin designation  
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5)  
Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation  
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5)  
Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation  
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5)  
Can be absorbed through the skin.

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  
Wear safety glasses with side shields.

Skin protection

Hand protection  
Impervious gloves. Confirm with reputable supplier first.

Other  
Wear suitable protective clothing. As required by employer code.

Respiratory protection  
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. When using do not eat or drink.

9. Physical and chemical properties

Appearance  
Clear

Physical state  
Liquid.

Form  
Liquid

Color  
Green

Odor  
Citrus

Odor threshold  
Not available.

pH  
8 - 9

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  
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  
1.00

Solubility(ies)  
Not available.

Auto-ignition temperature  
Not available.

Decomposition temperature  
Not available.
10. Stability and reactivity

Reactivity
This product may react with strong oxidizing agents.

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.

Incompatible materials
Acids. Oxidizers.

Hazardous decomposition products
May include and are not limited to: Oxides of carbon.

11. Toxicological information

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

Information on likely routes of exposure

Ingestion
May cause stomach distress, nausea or vomiting.

Inhalation
No adverse effects due to inhalation are expected.

Skin contact
No adverse effects due to skin contact are expected.

Eye contact
Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics
Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C9-11, ethoxylated (CAS 68439-46-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>2000 mg/kg, 24 Hours, ECHA</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 1600 mg/m3, 4 Hours, ECHA</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>3488 mg/kg, ECHA</td>
</tr>
</tbody>
</table>

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

Exposure minutes
Not available.

Erythema value
Not available.

Oedema value
Not available.

Serious eye damage/eye irritation
Causes serious eye irritation.

<table>
<thead>
<tr>
<th>Corneal opacity value</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iris lesion value</td>
<td>Not available.</td>
</tr>
<tr>
<td>Conjunctival reddening value</td>
<td>Not available.</td>
</tr>
<tr>
<td>Conjunctival oedema value</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Recover days
Not available.

Respiratory or skin sensitization

ACGIH sensitization
- CITRAL, INHALABLE FRACTION AND VAPOR (CAS 5392-40-5) Dermal sensitization
- GLYOXAL, INHALABLE FRACTION AND VAPOR (CAS 107-22-2) Dermal sensitization

Canada - Manitoba OELs Hazard: Dermal sensitization
- 2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Dermal sensitization
- Ethanedial (CAS 107-22-2) Dermal sensitization

Viscosity
Not available.

Other information
Density
8.32 lbs/gallon
Canada - Saskatchewan OELs Hazard Data: Sensitiser

Ethanedral (CAS 107-22-2) Sensitizer.

Respiratory sensitization
Not available.

Skin sensitization
This product is not expected to cause skin sensitization.

Mutagenicity
Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity
Not classified or listed by IARC, NTP, OSHA and ACGIH.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
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
Not classified.

Aspiration hazard
Not available.

Chronic effects
Non-hazardous by WHMIS/OSHA criteria.

12. Ecological information

Ecotoxicity
See below

Ecotoxicological data
Components
Species
Test Results

Alcohols, C9-11, ethoxylated (CAS 68439-46-3)

Aquatic
Crustacea
EC50
Water flea (Daphnia magna)
2.9 - 8.5 mg/L, 48 hours

Fish
LC50
Fathead minnow (Pimephales promelas)
6 - 12 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
Review federal, state/provincial, and local government requirements prior to disposal. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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
Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

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
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 DSL Challenge Substances: Listed substance
  Ethanedial (CAS 107-22-2) 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)
Not listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
Yes

Classified hazard categories
Serious eye damage or eye irritation

SARA 313 (TRI reporting)
Not regulated.

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.

US state regulations

US - Texas Effects Screening Levels: Listed substance
2,6-Octadienal, 3,7-dimethyl- (CAS 5392-40-5) Listed.
Alcohols, C9-11, ethoxylated (CAS 68439-46-3) Listed.
Ethanedial (CAS 107-22-2) Listed.

US. New Jersey Worker and Community Right-to-Know Act
Ethanedial (CAS 107-22-2)

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

Legend

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>/ 1</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>0</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td>0</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td>X</td>
</tr>
</tbody>
</table>