1. Product and Company Identification

Product identifier
Avalanche Ice Melter
Sodium Chloride, salt

Other means of identification

Recommended use
De-icer

Recommended restrictions
Not for human or animal consumption.

Distributor:
Pestell Minerals & Ingredients Inc.
141 Hamilton Road
New Hamburg, ON
Canada N3A 2H1

Phone: 1 519-662-2877
Email: qa@pestell.com
Emergency US CHEMTREC 1-800-424-9300
Emergency Canada CANUTEC 1-800-996-6666

2. Hazards Identification

Physical hazards
Not classified.

Health hazards
Not classified.

Environmental hazards
Not classified.

OSHA defined hazards
Not classified.

Label elements

Hazard symbol
None.

Signal word
None.

Hazard statement
The product and/or mixture does not meet the criteria for classification.

Precautionary statement

Prevention
Observe good industrial hygiene practices.

Response
Wash hands after handling.

Storage
Store away from incompatible materials such as strong oxidizing agents (see Section 10). Dispose of waste and residues in accordance with local authority requirements. None known.

Disposal

Hazard(s) not otherwise classified (HNOC)

Supplemental information
Not applicable.

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Carcinogens, Respiratory Sensitizers, Mutagens, Teratogens and Reproductive toxins are listed when present at 0.1% or greater; components which are otherwise hazardous according to WHMIS/OSHA are listed when present at 1.0% or greater. Non-hazardous components are not listed. The products pertaining to this SDS have various proportions of components which do not meet the listing criteria.
### 4. First Aid Measures

<table>
<thead>
<tr>
<th>Condition</th>
<th>Recommended Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inhalation</strong></td>
<td>Avoid breathing dust. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>Rinse skin with water/shower. Get medical attention if irritation develops and persists.</td>
</tr>
<tr>
<td><strong>Eye contact</strong></td>
<td>Rinse with water. Get medical attention if irritation develops and persists.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>Rinse mouth. If ingestion of a large amount does occur, seek medical attention.</td>
</tr>
<tr>
<td><strong>Most important symptoms/effects, acute and delayed</strong></td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
<tr>
<td><strong>Indication of immediate medical attention and special treatment needed</strong></td>
<td>Treat symptomatically.</td>
</tr>
</tbody>
</table>

### 5. Fire Fighting Measures

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Suitable extinguishing media</strong></td>
<td>Salt and salt mixtures are non-combustible.</td>
</tr>
<tr>
<td><strong>Unsuitable extinguishing media</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Specific hazards arising from the chemical</strong></td>
<td>During fire, gases hazardous to health may be formed.</td>
</tr>
<tr>
<td><strong>Special protective equipment and precautions for firefighters</strong></td>
<td>Use appropriate firefighting PPE as a general precaution.</td>
</tr>
<tr>
<td><strong>Fire-fighting equipment/instructions</strong></td>
<td>Salt is not combustible and is thus not the material of concern for firefighting equipment or methods.</td>
</tr>
<tr>
<td><strong>Specific methods</strong></td>
<td>In the event of a fire, equipment and methods that are consistent with the combusting material should be utilized.</td>
</tr>
<tr>
<td><strong>General fire hazards</strong></td>
<td>No unusual fire or explosion hazards noted.</td>
</tr>
<tr>
<td><strong>Hazardous combustion products</strong></td>
<td>Chlorine. Hydrogen chloride. Oxides of sodium.</td>
</tr>
<tr>
<td><strong>Explosion data</strong></td>
<td></td>
</tr>
<tr>
<td>Sensitivity to mechanical impact</td>
<td>Not available.</td>
</tr>
<tr>
<td>Sensitivity to static discharge</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### 6. Accidental Release Measures

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personal precautions, protective equipment and emergency procedures</strong></td>
<td>Restrict area to facilitate clean up.</td>
</tr>
<tr>
<td><strong>Methods and materials for containment and cleaning up</strong></td>
<td>Stop the flow of material, if this is without risk. Prevent direct entry into waterways and sewers. Following product recovery, flush area with water if necessary. For waste disposal, see section 13 of the SDS.</td>
</tr>
<tr>
<td><strong>Environmental precautions</strong></td>
<td>Avoid direct release into waterways and sewers.</td>
</tr>
</tbody>
</table>

### 7. Handling and Storage

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Precautions for safe handling</strong></td>
<td>Use care in handling/storage. Avoid breathing dust.</td>
</tr>
<tr>
<td><strong>Conditions for safe storage, including any incompatibilities</strong></td>
<td>Store in original tightly closed container. Store away from incompatible materials, i.e, strong oxidizing agents (see Section 10)</td>
</tr>
</tbody>
</table>
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).

TWA PEL: No specific limits have been established for sodium chloride (a soluble substance). As a guideline, OSHA (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 5mg/m3. Respirable Dust 8-Hour TWA PEL, 15mg/cu.m. Total Dust 8-Hour TWA PEL.

TWA TLV: No specific limits have been established for sodium chloride (a soluble substance). As a guideline, ACGIH (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates (insolubles) Not Otherwise Classified (PNOC): 10mg/cu.m. Inhalable Particulate 8-Hours TWA TLV, 3mg/cu.m. Respirable Particulate TWA TLV.

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Individual protection measures, such as personal protective equipment**

- **Eye/face protection**: Safety glasses if eye contact is possible.
- **Skin protection**: If there is constant skin contact, rubber gloves are recommended.
- **Hand protection**: Wear suitable protective clothing.
- **Respiratory protection**: No personal respiratory protective equipment normally required.
- **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.

9. Physical and Chemical Properties

**Appearance**
Crystalline.

**Physical state**
Solid.

**Form**
Solid.

**Color**
Varies

**Odor**
Odorless

**Odor threshold**
Not applicable

**pH**
6 - 8 (Neutral)

**Melting point/freezing point**
Not applicable

**Initial boiling point and boiling range**
Not applicable

**Pour point**
Not applicable

**Specific gravity**
Not applicable

**Partition coefficient (n-octanol/water)**
Not applicable

**Flash point**
Not applicable

**Evaporation rate**
Not applicable

**Flammability (solid, gas)**
Not applicable

**Upper/lower flammability explosive limits**

- **Flammability limit - lower (%)**: Not applicable
- **Flammability limit - upper (%)**: Not applicable
- **Explosive limit - lower (%)**: Not applicable
Explosive limit - upper (\%) Not applicable
Vapor pressure Not applicable
Vapor density Not applicable
Relative density Not applicable
Solubility(ies) Not available.
Auto-ignition temperature Not applicable
Decomposition temperature Not applicable
Viscosity Not applicable

10. Stability and Reactivity

Reactivity None known.

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, i.e. strong oxidizing agents.
Incompatible materials Strong oxidizing agents.

11. Toxicological Information

Information on likely routes of exposure
Ingestion Expected to be a low ingestion hazard.
Inhalation No adverse effects due to inhalation are expected.
Skin contact No adverse effects due to skin contact are expected.
Eye contact Direct contact with eyes may cause temporary irritation.
Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects
Acute toxicity Not classified.
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 Direct contact with eyes may cause temporary irritation.
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  This product is not expected to cause skin sensitization.
Germ cell mutagenicity  No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Mutagenicity  No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity  This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. This product is not expected to cause reproductive or developmental effects.
Reproductive toxicity  Not classified.
Teratogenicity  Not classified.
Specific target organ toxicity single exposure  Not classified.
Specific target organ toxicity repeated exposure  Not classified.
Aspiration hazard  Not classified.
Chronic effects  Not classified.
Further information  Not classified.
Name of Toxicologically Synergistic Products  This product has no known adverse effect on human health.

12. Ecological Information

Ecotoxicity  The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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 in accordance with applicable 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

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 Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**WHMIS status**
Not Controlled

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

CERCLA Hazardous Substance List (40 CFR 302.4)
Not 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 - No
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance
- Not regulated.

SARA 311/312 Hazardous chemical
- No

SARA 313 (TRI reporting)
Not regulated.

**Other federal regulations**
Safe Drinking Water Act (SDWA)
Not regulated.

Food and Drug Administration (FDA)
Not regulated.

**US state regulations**
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.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
Not listed.

US. Massachusetts RTK - Substance List
Not regulated.

US. Pennsylvania RTK - Hazardous Substances
Not regulated.

US. Rhode Island RTK
Not regulated.

16. Other Information

![Legend]

**LEGEND**
- Severe
- Serious
- Moderate
- Slight
- Minimal
Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Pestell Minerals & Ingredients and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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