Section 1: IDENTIFICATION

PRODUCT IDENTIFIER
387

RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE
Deicing/anti-icing highways, bridges, parking lots, and other pavements.

Supplier Address: INTERSTATE PRODUCTS INC
6561 Palmer Park Circle Suite A
SARASOTA FL, 34238
(941) 377-8610

Emergency Telephone Number
24 Hour Emergency number : INFOTRAC: 800-535-5053 (North America)
352-323-3500 (International)

Section 2: HAZARD(S) IDENTIFICATION

CLASSIFICATION ACCORDING TO OSHA HAZCOM 2012
Hazard Class Not classified as hazardous

LABEL ELEMENTS ACCORDING TO OSHA HAZCOM 2012
There are no OSHA required label elements for this product.

CLASSIFICATION ACCORDING TO WHMIS (Canada)
Hazard Class Not controlled
WHMIS Hazard Symbols Not applicable
WHMIS Signal Word Not applicable

POTENTIAL HEALTH EFFECTS
Eye Contact May cause temporary eye irritation. Corneal injury is unlikely.
Skin Contact Repeated contact may cause slight skin irritation or dry skin.
Inhalation May cause irritation or coughing.
Ingestion Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.
Effects of repeated exposure No effects other than described above are expected.
Safety Data Sheet

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>MIXTURES</th>
<th>Ingredient</th>
<th>CAS No</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>Mixture</td>
<td>7732-18-5</td>
<td>&lt;50</td>
</tr>
<tr>
<td>Acetate Mixture</td>
<td>Mixture</td>
<td>&lt;60</td>
<td></td>
</tr>
<tr>
<td>Corrosion Inhibitors</td>
<td></td>
<td>&lt; 1</td>
<td></td>
</tr>
</tbody>
</table>

Section 4: FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURE

Eye
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, seek medical attention.

Skin
As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

Inhalation
If inhaled, remove to fresh air and get medical advice.

Ingestion
If swallowed, give milk or water to drink and telephone for medical advice. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS / EFFECTS

Eye
May cause eye irritation. Symptoms may include temporary discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin
May cause itching or irritation of any cut or abraded skin. Symptoms of prolonged contact may include dry skin.

Inhalation
Inhalation of aerosol during spraying may cause respiratory tract irritation and coughing. This product is not otherwise expected to be an inhalation hazard.

Ingestion
Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

Note to physicians
This product contains potassium acetate. Though ingestion of large amounts of potassium salts usually results in vomiting, excessive potassium absorption can cause hyperkalemia.

Specific treatments
If you feel unwell, seek medical advice immediately. Show the label or safety data sheet to medical personnel if possible.
## Section 5: FIRE FIGHTING MEASURES

### FLAMMABILITY
- **Flash Point (close cup)**: Nonflammable by OSHA/WHMIS criteria
- **Auto Ignition**: Not applicable

### EXTINGUISHING MEDIA
- **Suitable Extinguishing Media**: Water, carbon dioxide, or dry chemical. Use extinguishing media appropriate for surrounding materials.
- **Unsuitable Extinguishing Media**: Not applicable

### SPECIAL HAZARDS
- **Hazardous Combustion Products**: Normal combustion forms carbon dioxide and water.
- **Explosion Limits**: Data not available. Not considered to be an explosion hazard.
- **Unusual Fire Hazards**: None expected

### SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS
- **Special Protective Equipment for Firefighters**: Wear NIOSH approved self-contained breathing apparatus (SCBA) with positive air pressure.

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## Section 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES
Avoid eye/skin contact with spilled material. Refer to Section 7 for additional handling precautions

- **Methods for Containment**: Contain and/or absorb spill with inert material (e.g. sawdust, sand, vermiculite).
- **Methods for Cleaning-Up**: Scoop up material and transfer to disposal container. If needed, wash spillage area with plenty of water.

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## Section 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING
- **Handling**: Avoid eye contact. Avoid breathing mist when spraying.

### PRECAUTIONS FOR SAFE STORAGE, INCLUDING ANY COMPATIBILITIES
- **Storage**: Store in tightly sealed original containers, away from direct heat and strong oxidizing agents. Do not store or handle product in systems constructed of wetted parts consisting of galvanized steel, zinc, or brass components.
Respiratory Protection

Skin Protection

Eye Protection

INDIVIDUAL PROTECTIVE MEASURES/PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls

EXPOSURE CONTROLS

EXPOSURE LIMITS

Exposure Limits
No specific limits have been established for this product.

EXPOSURE LIMITS

No special ventilation is usually necessary; however if operating conditions create high airborne concentrations of this material, special ventilation may be needed to keep exposure to airborne contaminants below the exposure limit.

INDIVIDUAL PROTECTIVE MEASURES/PERSONAL PROTECTIVE EQUIPMENT

Eye Protection
Safety glasses or goggles are recommended if splashing/spraying is possible.

Skin Protection
No special skin protection is usually necessary. Chemical-resistant gloves and clothing should be used if prolonged exposure is possible to prevent drying of skin.

Respiratory Protection
No special respiratory protection is usually necessary. Breathing of mist/aerosol should be avoided. If operating conditions create high airborne concentrations of this material, the use of an approved respirator is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless to light straw colored liquid. (May be dyed blue at customer request.)</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless to slight vinegar odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td></td>
</tr>
<tr>
<td>pH (20°C, 68°F)</td>
<td>7.0 – 11.5</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>-60°C (-76°F)</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>~ 110°C (230°F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability/Explosion Limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure (20°C)</td>
<td>15 mm Hg</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.28</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Completely miscible</td>
</tr>
<tr>
<td>Partition Coefficient; n-Octanol/Water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity (20°C)</td>
<td>6.5 cP</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not oxidizing</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not explosive</td>
</tr>
</tbody>
</table>
Section 10: STABILITY AND REACTIVITY

REACTIVITY
No dangerous reactions known under conditions of normal use.

CHEMICAL STABILITY
Stable. Polymerization will not occur.

POSSIBILITY OF HAZARDOUS REACTIONS
No dangerous reactions known under conditions of normal use.

CONDITIONS TO AVOID
Avoid prolonged contact with reactive metals such as magnesium and zinc, especially in closed systems where hydrogen gas from the oxidation of these materials may accumulate over time.

INCOMPATIBLE MATERIALS
Strong oxidizing agents; strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS
May decompose into oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY
LD50 rat-oral: > 5 g/kg.

LIKELY ROUTES OF EXPOSURE
Skin contact, eye contact, ingestion.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS

Eye
May cause eye irritation. Symptoms may include temporary discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin
May cause itching or irritation of any cut or abraded skin. Symptoms of prolonged contact may include dry skin.

Inhalation
Inhalation of aerosol during spraying may cause respiratory tract irritation and coughing. This product is not otherwise expected to be an inhalation hazard.

Ingestion
Ingestion of large quantities may cause nausea, vomiting, diarrhea and abdominal discomfort.

DELAYED AND IMMEDIATE EFFECTS AND CHRONIC EFFECTS FROM SHORT- AND LONG-TERM
EXPOSURE/NUMERICAL MEASURES OF TOXICITY

Skin Corrosion/Irritation
Based on available data, the classification criteria are not met.

Serious Eye Damage/Irritation
Based on available data, the classification criteria are not met.

Respiratory or Skin Sensitization
Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity
Based on available data, the classification criteria are not met.

Carcinogenicity
This product does not contain any ingredients that are considered to be carcinogens by IARC, NTP, or OSHA.
Safety Data Sheet

Reproductive Toxicity
Based on available data, the classification criteria are not met.

STOT-Single Exposure
Based on available data, the classification criteria are not met.

STOT-Repeated Exposure
Based on available data, the classification criteria are not met.

Aspiration Hazard
Based on available data, the classification criteria are not met.

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**Section 12: ECOLOGICAL INFORMATION**

**ECOTOXICITY (AQUATIC AND TERRESTRIAL)**
Not expected to cause long-term adverse effects in the aquatic or terrestrial environments.

**PERSISTENCE AND DEGRADABILITY**
Readily biodegradable. COD (TOD): 0.34 g O₂/g deicer; BOD₅ (20°C): 0.25 g O₂/g deicer

**BIOACCUMULATIVE POTENTIAL**
Bioaccumulation is not expected.

**MOBILITY IN SOIL**
Adverse effects not expected.

**OTHER ADVERSE EFFECTS**
None expected.

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**Section 13: DISPOSAL CONSIDERATIONS**

**WASTE TREATMENT AND METHODS OF DISPOSAL**
Based on available information, this product is neither listed as a hazardous waste nor does it exhibit any of the characteristics that would cause it to be classified as a characterized hazardous waste under RCRA. This product may be absorbed onto suitable materials and disposed of in a sanitary landfill unless local, state, or provincial regulations prohibit such disposal.

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**Section 14: TRANSPORT INFORMATION**

**TRANSPORT INFORMATION**
Not regulated as dangerous goods per US DOT or IATA.
### Section 15: REGULATORY INFORMATION

#### INVENTORY LISTS
All of the components in this product are on the following inventory lists: USA (TSCA), Canada (DSL/NDSL); Europe (EINECS)

#### TSCA SECTION 12(b)
None of the chemicals in this product are listed under TSCA Section 12(b).

#### CERCLA HAZARDOUS SUBSTANCES
There is no CERCLA Reportable Quantity for this material.

#### SARA 311 CATEGORIES
- Immediate (Acute) Health Hazard: Yes
- Delayed (Chronic) Health Hazard: No
- Fire Hazard: No
- Sudden Release of Pressure Hazard: No
- Reactivity Hazard: No

#### SARA 313
None of the components in this product are subject to reporting under SARA Section 313.

#### CLEAN WATER ACT
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### STATE RIGHT-TO-KNOW:
This product does not contain components at levels which are required to be reported under the statutes of the following states: PA, MA, MN, and NJ.

This product does not contain materials known to the State of California (Proposition 65) to cause cancer and/or reproductive harm at levels which would require a warning under the statute.

<table>
<thead>
<tr>
<th>NFPA 704</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Fire</td>
<td>0</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Hazard Rating 0-4</td>
<td>0-least hazardous; 4-most hazardous</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS – Hazardous Materials Identification System</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Fire</td>
<td>0</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Hazard Rating:</td>
<td>0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe</td>
</tr>
</tbody>
</table>
Date: Sept 22 2015
Revision or New : New
Date of Revision: NA
Reason for Revision: NA

Disclaimer:
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet