SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Mixture
Product Name: Road Runner Pet Friendly
Synonyms: Magnesium Chloride Pellets

1.2. Intended Use of the Product  Melting Ice

1.3. Company
Scotwood Industries, Inc.
12980 Metcalf Ave. STE 240
Overland Park, Kansas 66213
Office: (913) 851-3500
Toll Free: (800) 844-2022
Fax: (913) 851-3377

1.4. Emergency Telephone Number
Emergency Number: (800)-844-2022 (Monday – Friday 8:00am-5:00pm CST)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Classification (GHS-US)
Not classified

2.2. Label Elements
GHS-US Labeling
No labeling applicable

2.3. Other Hazards
Other Hazards: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits irritating fumes. May be corrosive to metals upon prolonged contact.

2.4. Unknown Acute Toxicity (GHS-US)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier (CAS No)</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium chloride hexahydrate</td>
<td>7791-18-6</td>
<td>Proprietary</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/Injuries: Dust may cause mechanical irritation to eyes, nose, throat, and lungs.

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: Skin contact with large amounts of dust may cause mechanical irritation.
Symptoms/Injuries After Eye Contact: Prolonged contact with large amounts of dust may cause mechanical irritation.
Symptoms/Injuries After Ingestion: Harmful if swallowed. Ingestion is likely to be harmful or have adverse effects.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: Not considered flammable but may burn at high temperatures.
Explosion Hazard: Product is not explosive.
Reactivity: When heated to decomposition, emits irritating fumes.

5.3. Advice for Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Avoid breathing (dust, fumes). Avoid all contact with skin, eyes, or clothing.

6.1.1. For Non-emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2. For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

6.2. Environmental Precautions
Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up
For Containment: Contain and collect as any solid.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Contact competent authorities after a spill.

6.4. Reference to Other Sections
See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Additional Hazards When Processed: When heated to decomposition, emits irritating fumes.
Precautions for Safe Handling: Do not breathe vapors, mist, spray.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do no eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Comply with applicable regulations.
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely high or low temperatures, direct sunlight, heat, ignition sources, incompatible materials.
Special Rules on Packaging: Keep only in original container.
Packaging materials: Store in corrosive resistant container with a resistant inner liner.

7.3. Specific End Use(s) Melting Ice

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters
No additional information available
8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment:** Protective goggles. Protective clothing. Gloves.

**Materials for Protective Clothing:** Chemically resistant materials and fabrics. Corrosion proof clothing.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or face shield.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Not required under normal conditions of use.

**Other Information:** When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

- **Physical State:** Solid
- **Appearance:** White, Translucent, to Light Grey Dry Granules, Pellets, and Crystalline Solid
- **Odor:** Minimal Odor
- **Odor Threshold:** No data available
- **pH:** No data available
- **Evaporation rate:** No data available
- **Melting Point:** 118 - 801 °C (244.4 - 1473.8 °F)
- **Freezing Point:** No data available
- **Boiling Point:** 160 - 1413 °C (320.0 - 2575.4 °F)
- **Flash Point:** No data available
- **Auto-ignition Temperature:** No data available
- **Decomposition Temperature:** No data available
- **Flammability (solid, gas):** No data available
- **Vapor Pressure:** 1 mm Hg @ 865°C (1589°F)
- **Relative Vapor Density at 20 °C:** No data available
- **Relative Density:** No data available
- **Specific Gravity:** 1.6 - 2.16
- **Solubility:** 317 g/pl @ 0° C (32°F). Hygroscopic. Soluble in alcohols. 36g/100g H₂O @20°C (68°F).
- **Partition coefficient: n-octanol/water:** No data available
- **Viscosity:** No data available

9.2. Other Information No additional information available

### SECTION 10: STABILITY AND REACTIVITY

10.1 **Reactivity:** When heated to decomposition, emits irritating fumes.

10.2 **Chemical Stability:** Stable under normal conditions.

10.3 **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

10.4 **Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5 **Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers. Reactive metals.


### SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Information On Toxicological Effects**

**Acute Toxicity:** Not classified
Water (7732-18-5)  
LD50 Oral Rat: > 90000 mg/kg  

Sodium chloride (7647-14-5)  
LD50 Oral Rat: 3 g/kg  
LC50 Inhalation Rat: > 42 g/m³ (Exposure time: 1 h)  

Magnesium chloride hexahydrate (7791-18-6)  
LD50 Oral Rat: 2800 mg/kg  
LD50 Dermal Rat: > 2000 mg/kg  

Calcium chloride (10043-52-4)  
LD50 Oral Rat: 1000 mg/kg  
LD50 Dermal Rat: 2630 mg/kg  

Potassium chloride (7447-40-7)  
LD50 Oral Rat: 2600 mg/kg  

Skin Corrosion/Irritation: Not classified  
Serious Eye Damage/Irritation: Not classified  
Respiratory or Skin Sensitization: Not classified  
Germ Cell Mutagenicity: Not classified  
Carcinogenicity: Not classified  
Reproductive Toxicity: Not classified  
Specific Target Organ Toxicity (Single Exposure): Not classified  
Specific Target Organ Toxicity (Repeated Exposure): Not classified  
Aspiration Hazard: Not classified  
Symptoms/Injuries After Inhalation: May cause respiratory irritation.  
Symptoms/Injuries After Skin Contact: Skin contact with large amounts of dust may cause mechanical irritation.  
Symptoms/Injuries After Eye Contact: Prolonged contact with large amounts of dust may cause mechanical irritation.  
Symptoms/Injuries After Ingestion: Harmful if swallowed. Ingestion is likely to be harmful or have adverse effects.  

SECTION 12: ECOLOGICAL INFORMATION  

12.1. Toxicity  

Sodium chloride (7647-14-5)  
LC50 Fish 1: 5560 (5560 - 6080) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])  
EC50 Daphnia 1: 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)  
LC 50 Fish 2: 12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])  
EC50 Daphnia 2: 340.7 (340.7 - 469.2) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])  

Magnesium chloride hexahydrate (7791-18-6)  
LC50 Fish 1: 1970 - 3880 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])  
EC50 Daphnia 1: 140 mg/l (Exposure time: 48 h - Species: Daphnia magna)  

Calcium chloride (10043-52-4)  
LC50 Fish 1: 10650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])  
EC50 Daphnia 1: 2400 mg/l (Exposure time: 48 h - Species: Daphnia magna)  

Potassium chloride (7447-40-7)  
LC50 Fish 1: 1060 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])  
EC50 Daphnia 1: 825 mg/l (Exposure time: 48 h - Species: Daphnia magna)  
LC 50 Fish 2: 750 - 1020 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])  
EC50 Daphnia 2: 83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])  

12.2. Persistence and Degradability  
No additional information available  

12.3. Bioaccumulative Potential  

Road Runner Pet Friendly  
Bioaccumulative Potential: Not established.  
Sodium chloride (7647-14-5): (no bioaccumulation)
Road Runner Pet Friendly
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Calcium chloride (10043-52-4)**
BCF fish 1 (no bioaccumulation)

12.4. **Mobility in Soil** No additional information available

12.5. **Other Adverse Effects**
Other Information: Avoid release to the environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

13.1. **Waste treatment methods**
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

**SECTION 14: TRANSPORT INFORMATION**

14.1 In Accordance with DOT Not regulated for transport
14.2 In Accordance with IMDG Not regulated for transport
14.3 In Accordance with IATA Not regulated for transport

**SECTION 15: REGULATORY INFORMATION**

15.1 **US Federal Regulations**

**Water (7732-18-5)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Sodium chloride (7647-14-5)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Magnesium chloride hexahydrate (7791-18-6)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Calcium chloride (10043-52-4)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Potassium chloride (7447-40-7)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 **US State Regulations**

**Sodium chloride (7647-14-5)**
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

**Magnesium chloride hexahydrate (7791-18-6)**
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

**Calcium chloride (10043-52-4)**
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

**Potassium chloride (7447-40-7)**
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

Revision date: 10/21/2014
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

**GHS Full Text Phrases:**

- Acute Tox. 4 (Oral)
- Acute toxicity (oral) Category 4
- Aquatic Acute 3
- Hazardous to the aquatic environment - Acute Hazard Category 3
- Eye Irrit. 2A
- Serious eye damage/eye irritation Category 2A
- H302
- Harmful if swallowed
- H319
- Causes serious eye irritation
- H402
- Harmful to aquatic life
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.