SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Mixture
Product Name: Industrial Blue
Synonyms: Industrial Blue Premium Blended Ice Melting Compound contains a proprietary combination of Sodium Chloride, Calcium Chloride, liquid Magnesium Chloride with Corrosion Inhibitor & blue dye pigment

1.2. Intended Use of the Product Melting Ice

1.3. Name, Address, and Telephone of the Responsible Party
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)
Eye Irrit. 2A H319

2.2. Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US)

Signal Word (GHS-US): Warning
Hazard Statements (GHS-US): H319 - Causes serious eye irritation.
Precautionary Statements (GHS-US): P264 - Wash hands, forearms, and other exposed areas thoroughly after handling. P280 - Wear protective gloves, protective clothing, eye protection, face protection, respiratory protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

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. Corrosive to metals upon prolonged contact. Contact with water causes an exothermic heat reaction, which may cause significant temperature rise.

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>% Proprietary</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>Proprietary</td>
<td>Not classified</td>
</tr>
<tr>
<td>Magnesium chloride</td>
<td>7786-30-3</td>
<td>Proprietary</td>
<td>Not classified</td>
</tr>
<tr>
<td>Calcium chloride</td>
<td>10043-52-4</td>
<td>Proprietary</td>
<td>Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319</td>
</tr>
</tbody>
</table>
**Industrial Blue**

**Safety Data Sheet**

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Potassium chloride | (CAS No) 7447-40-7 | Proprietary | Aquatic Acute 3, H402 |

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**:
- Causes eye irritation.
- May cause respiratory irritation.
- Skin contact with large amounts of dust may cause mechanical irritation.
- Causes eye irritation.
- 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 andEmergency 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).

**Emergency Procedures**: Evacuate unnecessary personnel.

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. Contact with water causes an exothermic heat reaction, which may cause significant temperature rise.

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 not 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.


Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosionproof 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: Light blue and light grey dry granules, white and light blue flake.

Odor: Minimal Odor

Odor Threshold: No data available

pH: No data available

Evaporation rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): No data available

Vapor Pressure: No data available

Relative Vapor Density at 20 °C: No data available

Relative Density: No data available

Specific Gravity: 2.076
Solubility: 317 gpl @ 0° C (32°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.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects
Acute Toxicity: Not classified

<table>
<thead>
<tr>
<th>Sodium chloride (7647-14-5)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
<td>3 g/kg</td>
</tr>
<tr>
<td>LC50 Inhalation Rat</td>
<td>&gt; 42 g/m³ (Exposure time: 1 h)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Magnesium chloride (7786-30-3)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
<td>2800 mg/kg</td>
</tr>
<tr>
<td>LD50 Dermal Rat</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calcium chloride (10043-52-4)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
<td>1000 mg/kg</td>
</tr>
<tr>
<td>LD50 Dermal Rat</td>
<td>2630 mg/kg</td>
</tr>
<tr>
<td>ATE (Oral)</td>
<td>1,000.00 mg/kg body weight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Potassium chloride (7447-40-7)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
<td>2600 mg/kg</td>
</tr>
<tr>
<td>ATE (Oral)</td>
<td>2,600.00 mg/kg body weight</td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Causes serious eye irritation.
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: Causes eye irritation.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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

<table>
<thead>
<tr>
<th>Magnesium chloride (7786-30-3)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
<td>1970 - 3880 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>140 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])</td>
</tr>
</tbody>
</table>
**Industrial Blue**

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

### LC50 Fish 1

<table>
<thead>
<tr>
<th>Compound</th>
<th>LC50 (mg/l)</th>
<th>Exposure Time (h)</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium chloride (10043-52-4)</td>
<td>10650</td>
<td>96</td>
<td>Lepomis macrochirus [static]</td>
</tr>
<tr>
<td>Potassium chloride (7447-40-7)</td>
<td>1060</td>
<td>96</td>
<td>Lepomis macrochirus [static]</td>
</tr>
<tr>
<td>Magnesium chloride (7786-30-3)</td>
<td>825</td>
<td>48</td>
<td>Daphnia magna</td>
</tr>
<tr>
<td>Sodium chloride (7647-14-5)</td>
<td>750</td>
<td>96</td>
<td>Pimephales promelas [static]</td>
</tr>
</tbody>
</table>

### EC50 Daphnia 1

<table>
<thead>
<tr>
<th>Compound</th>
<th>EC50 (mg/l)</th>
<th>Exposure Time (h)</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium chloride (10043-52-4)</td>
<td>2400</td>
<td>48</td>
<td>Daphnia magna</td>
</tr>
<tr>
<td>Potassium chloride (7447-40-7)</td>
<td>825</td>
<td>48</td>
<td>Daphnia magna</td>
</tr>
<tr>
<td>Magnesium chloride (7786-30-3)</td>
<td>825</td>
<td>48</td>
<td>Daphnia magna</td>
</tr>
</tbody>
</table>

### LC50 Fish 2

<table>
<thead>
<tr>
<th>Compound</th>
<th>LC50 (mg/l)</th>
<th>Exposure Time (h)</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium chloride (10043-52-4)</td>
<td>750</td>
<td>96</td>
<td>Pimephales promelas [static]</td>
</tr>
<tr>
<td>Potassium chloride (7447-40-7)</td>
<td>83</td>
<td>48</td>
<td>Daphnia magna [Static]</td>
</tr>
</tbody>
</table>

### EC50 Daphnia 2

<table>
<thead>
<tr>
<th>Compound</th>
<th>EC50 (mg/l)</th>
<th>Exposure Time (h)</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium chloride (10043-52-4)</td>
<td>83</td>
<td>48</td>
<td>Daphnia magna [Static]</td>
</tr>
</tbody>
</table>

---

### 12.2. Persistence and Degradability

No additional information available

### 12.3. Bioaccumulative Potential

<table>
<thead>
<tr>
<th>Compound</th>
<th>Bioaccumulative Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium chloride (10043-52-4)</td>
<td>Not established</td>
</tr>
<tr>
<td>Potassium chloride (7447-40-7)</td>
<td></td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Compound</th>
<th>SARA Section 311/312 Hazard Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride (7647-14-5)</td>
<td>Immediate (acute) health hazard</td>
</tr>
<tr>
<td>Magnesium chloride (7786-30-3)</td>
<td></td>
</tr>
<tr>
<td>Calcium chloride (10043-52-4)</td>
<td></td>
</tr>
<tr>
<td>Potassium chloride (7447-40-7)</td>
<td></td>
</tr>
</tbody>
</table>

---

#### 15.2 US State Regulations

<table>
<thead>
<tr>
<th>Compound</th>
<th>U.S. State - Effects Screening Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride (7647-14-5)</td>
<td>- Texas - Long Term</td>
</tr>
<tr>
<td>Magnesium chloride (7786-30-3)</td>
<td>- Texas - Long Term</td>
</tr>
<tr>
<td>Calcium chloride (10043-52-4)</td>
<td>- Texas - Long Term</td>
</tr>
<tr>
<td>Potassium chloride (7447-40-7)</td>
<td>- Texas - Long Term</td>
</tr>
</tbody>
</table>

---

8/24/2017  EN (English US)
Industrial Blue
Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>U.S. - Texas - Effects Screening Levels - Short Term</th>
</tr>
</thead>
</table>

**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:**

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 3</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 3</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H402</td>
<td>Harmful to aquatic life</td>
</tr>
</tbody>
</table>

*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.*

SDS US (GHS HazCom) - US