



# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

|                                     |  |
|-------------------------------------|--|
| 1.1 Product Identifier              |  |
| Product Name                        | enviro-heat®   |
| Synonyms                            | Ice Melt   |
| 1.2 Recommended Use                 | Melting ice and snow.  |
| 1.3 Restrictions on Use             | None known.  |
| 1.4 Manufacturer and/or Distributor | T&N, Incorporated<br>815 Highway T, P.O. Box 240<br>Foristell, MO 63348-0240<br>866-670-2505<br><a href="http://www.tandninc.com">www.tandninc.com</a><br><a href="mailto:info@tandninc.com">info@tandninc.com</a> |

## SECTION 2: HAZARD(S) IDENTIFICATION

|  |   |
|--|---|
| 2.1 Classification of the Substance or Mixture |   |
| Classification                                 | Eye Damage/Irritation - Category 2A   |
| 2.2 Label Elements                             |   |
| GHS-US Labeling                                | Warning!  |
| 2.3 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

|                 |            |
|-----------------|------------|
| Chemical Name   | CAS Number |
| Sodium Chloride | 7647-14-5  |

**TRADE SECRET: This product is considered non hazardous by the criteria specified in 29 CFR 1910.1200 (Hazard Communication).**

## SECTION 4: FIRST AID MEASURES

|                                       |  |
|---------------------------------------|--|
| 4.1 Description of First Aid Measures |  |
| General                               | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.  |
| 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. |
| 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.                             |

|   |   |
|---|---|
| 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. |
| 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 |   |
| General   | Causes eye irritation.  |
| Inhalation  | May cause respiratory irritation.   |
| Skin Contact  | Skin contact with large amounts of dust may cause mechanical irritation.  |
| Eye Contact   | Causes eye irritation.  |
| Ingestion   | Ingestion is likely to be harmful or have adverse effects.  |

## 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 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 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).   |
| Emergency Procedures  | Evacuate unnecessary personnel.  |
| 6.1.2 For Emergency Personnel   |  |
| 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. |

## 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  
Hygiene Measures

Do not breathe vapors, mist, spray.  
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, ignition sources, incompatible materials.

Incompatible Materials

Strong acids. Strong bases. Strong oxidizers. Reactive metals.

#### 7.3 Specific End Use(s)

Melting ice and snow.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control Parameters

No Occupational Exposure Limits (OELS) have been established for this product or its chemical components.

#### 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 dry granules.

Odor

Minimal odor.

Odor Threshold

No data available.

pH

8-9

Evaporation Rate

No data available.

Melting Point

801° C.

Freezing Point

773° C.

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.

Density

1041 to 1153 kg/m<sup>3</sup>

Specific Gravity 2.46

## 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.                      |
| 10.6 Hazardous Decomposition Products   | Hydrogen chloride. Chloride. Sodium oxides. Oxides of magnesium. Oxides of calcium. |

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects - Product

|                                      |  |
|--------------------------------------|--|
| Acute Toxicity                       | Not classified.  |
| Skin Corrosion/Irritation            | Not classified.  |
| Serious Eye Damage/Irritation        | Causes eye irritation.   |
| Respiratory or Skin Sensitization    | Not classified.  |
| Germ Cell Mutagenicity               | Not classified.  |
| Carcinogenicity                      | Not classified.  |
| Reproductive Toxicity                | 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                      | Not available.                       |
| 12.2 Persistence and Degradability | No additional information available. |
| 12.3 Bio accumulative Potential    | Not established.                     |
| 12.4 Mobility in Soil              | No additional information available. |
| 12.5 Other Adverse Effects         | Avoid release to the environment.    |

## SECTION 13: DISPOSAL CONSIDERATIONS

|                         |  |
|-------------------------|--|
| Waste Treatment Methods | 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: US FEDERAL REGULATIONS

|                             |  |
|-----------------------------|--|
| 15.1 US Federal Regulations | All components are listed or exempted. |
| 15.2 US State Regulations   | All components are listed or exempted. |

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

|                    |        |
|--------------------|--------|
| 16.1 Date Prepared | Jun-15 |
|--------------------|--------|

## 16.2 Other Information



The information and statements in these Safety Data Sheets are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable, depending on particular, exceptional, or variable conditions or circumstances of use, or storage, or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you, and must make independent determination of the suitability of the information from all sources, to assure both the proper use of the material described herein and the safety and health of employees.