



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

1.1 Product Identifier	
Product Name	Melt Man®
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 815 Highway T, P.O. Box 240 Foristell, MO 63348-0240 866-670-2505 www.tandninc.com info@tandninc.com

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
Magnesium Chloride	7786-30-3
LIQUITINT® ROYAL BLUE HF	

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

Blue crystals.

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/m³

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.
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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.

