

De-Icing Salt

MATERIAL SAFETY DATA SHEET
(Complies with OSHA 29 CFR 1910.1200)

SECTION I: PRODUCT IDENTIFICATION

Frantz Company, Inc
12314 West Silver Spring Drive
Milwaukee, WI 53225

Emergency Telephone Number
(414) 462-8700
Information Telephone Number
(414) 462-8700

MSDS V7p
Revision: Jul-08

Frantz Company Product Name
ICE TRAX

Product Use: Melting ice

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	
Safety Glasses, Gloves	

SECTION II - HAZARD IDENTIFICATION

Route(s) of Entry: Inhalation, Ingestion

Acute Exposure: Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat. Ingestion of very large doses can cause vomiting, diarrhea and prostration. Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract.

Chronic Exposure: None known

Carcinogenicity: Non-carcinogenic

Signs and Symptoms of Exposure: None known

Medical Conditions Generally Aggravated by Exposure: None known

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS No.	PEL (OSHA) mg/M ³	TLV (ACGIH) mg/M ³
Sodium Chloride	7647-14-5	non-hazardous	
Potassium Chloride	7447-40-7	non-hazardous	
Magnesium Chloride	7791-18-6	non-hazardous	

SECTION IV – First Aid Measures

Eyes: Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician immediately.

Skin: Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists. Seek immediate medical treatment in the event of burns.

Inhalation: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside.

Ingestion: If large amounts were swallowed, get medical advice.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flammability: Noncombustible and not explosive.

Auto-ignition Temperature: Not Applicable

Flash Points: Not Applicable

SECTION VI – ACCIDENTAL RELEASE MEASURES

If spilled, use dustless methods (vacuum) and place into covered container for disposal (if not contaminated or wet) or re-use.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

DO NOT BREATHE DUST. In dusty environments, the use of an OSHA, MSHA or NIOSH approved respirator and tight fitting goggles is recommended.

SECTION VIII – EXPOSURE CONTROL MEASURES

Engineering Controls: Local exhaust can be used, if necessary, to control airborne dust levels.

Personal Protection: The use of barrier creams or impervious gloves, boots and clothing to protect the skin from contact is recommended. Following work, workers should shower with soap and water. Precautions must be observed because burns occur with little warning -- little heat is sensed.

WARN EMPLOYEES AND/OR CUSTOMERS OF THE HAZARDS AND REQUIRED OSHA PRECAUTIONS ASSOCIATED WITH THE USE OF THIS PRODUCT.

Exposure Limits: Consult local authorities for acceptable exposure limits

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor: White to off-white -No odor

Solubility in water: 36 gm/ 100 cc at 20°C

Specific Gravity: 2.1

Boiling Point: 1413°C

pH: ~ 7

SECTION X - REACTIVITY DATA

Stability: Stable.

Incompatibility (Materials to Avoid): Will react with strong acids to release HCl and strong oxidizing agents to release Cl₂.

Hazardous Decomposition or By-products: Will release toxic fumes of Cl₂ and Na₂O.

Hazardous Polymerization: Will Not Occur.

Condition to Avoid: Keep dry until used to preserve product utility.

SECTION XI – TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation, Ingestion

Toxicity to Animals:

Oral Toxicity: Oral rat LD50: 3000 mg/kg (RTECS,1986)

Dermal Toxicity: Skin irritation rabbit: 500 mg/24 hr. Mild (RTECS,1986)

Eye: Eye irritation rabbit: 100 mg/24 hr. Moderate (RTECS,1986)

Chronic Effects on Humans: Not Available

Special Remarks on Toxicity: Not Available

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

BOD5 and COD: Not Available

Products of Biodegradation: Not available

Toxicity of the Products of Biodegradation: Not available

Special Remarks on the Products of Biodegradation: Not available

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method: The packaging and material may be land filled; however, material should be covered to minimize generation of airborne dust. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302).

SECTION XIV – TRANSPORT INFORMATION

DOT/UN Shipping Name: Non-regulated

DOT Hazard Class: Non-regulated

Shipping Name: Non-regulated

Non-Hazardous under U.S. DOT and TDG Regulations

SECTION XV – OTHER REGULATORY INFORMATION

US OSHA 29CFR 1910.1200: Considered hazardous under this regulation and should be included in the employers hazard communication program

SARA (Title III) Sections 311 & 312: Not subject to reporting requirements

SARA (Title III) Section 313: Not subject to reporting requirements

TSCA (May 1997): All components are on the TSCA inventory list

Federal Hazardous Substances Act: Is a hazardous substance subject to statues promulgated under the subject act

Canadian Environmental Protection Act: Not listed

Canadian WHMIS: Considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of Health Canada's Workplace Hazardous Material Information (WHMIS). This product has been classified according to the hazard criteria of the Controlled Products Regulation (CPR). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

SECTION XVI – OTHER INFORMATION

HMIS-III:	Health –	0 = No significant health risk 1 = Irritation or minor reversible injury possible 2 = Temporary or minor injury possible 3 = Major injury possible unless prompt action is taken 4 = Life threatening, major or permanent damage possible
	Flammability-	0 = Material will not burn 1 = Material must be preheated before ignition will occur 2 = Material must be exposed to high temperatures before ignition 3 = Material capable of ignition under normal temperatures 4 = Flammable gases or very volatile liquids; may ignite spontaneously
	Physical Hazard-	0 = Material is normally stable, even under fire conditions 1 = Material normally stable but may become unstable at high temps 2 = Materials that are unstable and may undergo react at room temp 3 = Materials that may form explosive mixtures with water 4 = Materials that are readily capable of explosive water reaction

Abbreviations:

ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
CFR	Code of Federal Regulations
CPR	Controlled Products Regulations (Canada)
DOT	Department of Transportation
IARC	International Agency for Research
MSHA	Mine Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicity Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TWA	Time-weighted Average
WHMIS	Workplace Hazardous Material Information System

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