

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard.  
20 CFR 1910, 1200. Standard must be  
Consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY** (As Used on Label and List) **InfernalMelt**

*Note: Blank spaces are not permitted, if any item is not applicable or no information is available, the space must be marked to indicate that.*

**Section I**

<b>Manufacturer's Name</b> Industrial Systems Ltd.	<b>Emergency Telephone Number</b> 800/243-0097
<b>Address</b> (Number, Street, City, State and Zip Code) 112 WEST ROUTE 120 LAKEMOOR, IL 60050	<b>Telephone Number for information</b> 815/344-5581 <b>Date Prepared</b> 4-14-11 <b>Signature of Preparer (optional)</b>

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity: Common Name(s) % composition	OSHA PEL	ACGIH TLV	IARC	NTP
Water CAS # 7732-18-5 40% -62%	none	none	none	none
Calcium Chloride CAS # 10043-52-4 10% - 20%	none	none	none	none
Sodium Chloride CAS # 7647-14-5 5% - 10%	none	none	none	none
Magnesium Chloride CAS # 7786-30-3 2% - 10%	none	none	none	none
Potassium Chloride CAS # 7447-40-7 1% - 7%	none	none	none	none

**NFPA Hazard Code:** **Health** 1  
**Flammability** 0  
**Reactivity** 0

**Section III - Physical/Chemical Characteristics**

<b>Boiling Point</b>	212°F	<b>Specific Gravity</b>	1.27 ± .04
<b>Vapor Pressure</b> (mm Hg.)	Not Available	<b>Melting Point</b>	Not Available
<b>Vapor Density</b> (AIR -1)	Not Available	<b>Evaporation Rate</b>	Slower than Water
<b>Solubility in Water</b> Complete	<b>Volatile Organic compounds</b> none	<b>pH</b> 4.0—5.5	<b>Physical Description</b> Liquid

**Appearance and Odor** Clear to Straw colored liquid/ little odor

**Section IV - Fire and Explosive Hazard Data**

<b>Flash Point</b> N/A (Not Applicable)	<b>Flammable Limits</b>	<b>LEL</b> N/AV	<b>UEL</b> N/AV
<b>Extinguishing Media</b> Foam/water, Carbon dioxide, fog/dry chemical as for surrounding fire.			
<b>Special Fire Fighting Procedures</b> Wear NIOSH/MSA approved self-contained breathing apparatus and full protective gear as for surrounding fire.			
<b>Unusual Fire and Explosion Hazards</b> None Known <b>Auto ignition Temperature</b> N/A			

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	NONE KNOWN

Incompatibility (*Materials to Avoid*) NONE KNOWN

Hazardous Decomposition or By products NONE KNOWN

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	NONE KNOWN

**Section VI - Health Hazard Data**

Routes of Entry:	Inhalation? Vapors may cause irritation of upper respiratory system & nasal passage.	Skin? May cause an effect on skin with prolonged or repeated contact.	Ingestion? Not normally ingested.
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Health Hazards (*Acute and Chronic*): May be skin and/or eye irritant.

Carcinogenicity:	NTP? N/AP	IARC Monographs? N/AP	OSHA Regulated? NO
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Signs and Symptoms of Exposure: *Skin*: may cause a reversible inflammatory effect on skin tissue at the site of contact. *Inhalation*: may cause a reversible inflammatory effect on the upper respiratory system.

Medical Conditions Generally Aggravated by Exposure: None Known

Emergency and First Aid Procedures: *Ingestion*: Dilute with water. If gastrointestinal irritation develops contact physician. *Eyes*: Rinse eyes

thoroughly with water for at least 15 minutes, lifting upper & lower eyelids. *Skin*: Flush with large amounts of water, use soap if available. *Inhalation*: Remove to fresh air., If respiratory symptoms develop consult physician.

**Section VII - Precautions for Safe Handling and Use & Transport Information**

Steps to Be Taken in Case Material is Released or Spilled: Wear suitable protective equipment. Contain spill and collect with absorbent material and transfer into suitable containers. Spill area can be washed with water.

Waste Disposal Method: Dispose of in accordance with federal, state and local environmental regulations.

Precautions to Be Taken in Handling: Wear safety glasses. Impervious gloves are recommended. Wear long sleeve shirt and long pants.

If high vapor or mist concentrate, use of a respirator is recommended.

Other Precautions: SARA Hazard Classes: Acute Health Hazard

DOT Not restricted IATA Not Restricted HMIS Labeling: Acute Health Hazard

**Section VIII - Control Measures**

Respiratory Protection (*Specify Type*)

Ventilation	Mechanical (General) None Required	Other None Required
Protective Gloves	Rubber or plastic gloves recommended	Eye Protection Safety glasses/goggles

Other Protective Clothing or Equipment None Required

Work/Hygienic Practices Eyewash fountains and safety showers should be accessible wash thoroughly after handling.