

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT INFORMATION

PRODUCT NAME:	<b>SSS Ice Melter</b>
SHIPPING NAME:	Not regulated
WHMIS CLASS:	Not controlled
SUPPLIER NAME & ADDRESS:	Manufactured for Triple S 2 Executive Drive, Billerica, MA 01862
MSDS PREPARED BY:	Dell Tech Laboratories Ltd. 100 Collip Circle, London, Ontario N6G 4X8 (519) 858-5021
PREPARATION DATE:	July 1, 1999 (revised August 25, 2000)
EMERGENCY:	1-888-779-1339

## SECTION II - COMPOSITION

Chemical Identity	CAS#	ACGIH (TLV-TWA)/OSHA PEL	LD <sub>50</sub> (mg/kg)
Potassium chloride	7447-40-7	10 mg/m <sup>3</sup> TWA	2600 mg/kg oral, rat
Sodium chloride	7647-14-5	10 mg/m <sup>3</sup> TWA	3000 mg/kg oral, rat
Urea	57-13-6	10 mg/m <sup>3</sup> TWA	8471 mg/kg oral, rat
Methyl glucoside	97-30-3	15/10 mg/m <sup>3</sup> TWA	Not available

## SECTION III - HAZARDOUS INGREDIENTS

None of the ingredients are classified as a hazardous materials by the criteria of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and the Controlled Products Regulations (WHMIS).

No ingredients are listed on SARA Title III, Section 313.

DOT/TDG HAZARD - Non Hazardous

## SECTION IV - PHYSICAL DATA

MELTING POINT:	Not available
BOILING POINT:	Not available
VAPOR PRESSURE:	Not available
% NON-VOLATILES (VOL.):	Not available
SOLUBILITY (H <sub>2</sub> O):	100%
SPECIFIC GRAVITY (H <sub>2</sub> O=1):	1.2
EVAPORATION RATE (ETHER=1):	Not applicable
VAPOR DENSITY (AIR=1):	Not available
ODOR:	None
APPEARANCE:	Blue granules
pH:	6.0-8.0

## SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	None
FLAMMABLE LIMITS:	Not applicable
EXTINGUISHING MEDIA:	Non-combustible. Use extinguishing media appropriate for surrounding fire.
FIRE & EXPLOSION HAZARDS:	None
FIRE FIGHTING EQUIPMENT:	Wear positive pressure, self-contained breathing apparatus.

## SECTION VI - REACTIVITY DATA

STABILITY: Stable  
INCOMPATIBILITY: Strong acids.  
HAZARDOUS DECOMPOSITION PRODUCTS: None.  
HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION VII - HEALTH HAZARD DATA

EYE: May cause mild to moderate temporary irritation.  
SKIN: Contact with abraded skin may cause a mild irritation or rash.  
INHALATION: Dust may cause nose, throat and respiratory tract irritation.  
INGESTION: Less than a few grams would not be harmful but large doses may cause gastrointestinal irritation and vomiting.  
CARCINOGENICITY: Not hazardous.  
REPRODUCTIVE TOXICITY/TERATOGENICITY: No data available.

## SECTION VIII - FIRST AID

EYES: Immediately flush with cool water. Remove contact lenses if applicable, and continue rinsing for 15 minutes. Obtain medical attention if irritation persists.  
SKIN: Wash with soap and water. Obtain medical attention if irritation develops.  
INHALATION: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.  
INGESTION: Not a normal route of exposure. In case of ingestion, obtain medical attention immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

## SECTION IX - PREVENTATIVE MEASURES

VENTILATION: If desired due to dust.  
RESPIRATORY PROTECTION: Dust mask not needed but may be used for comfort.  
SKIN PROTECTION: Work gloves desirable but not required.  
EYE PROTECTION: Safety glasses.  
SPILL OR LEAK: Use broom or dry vacuum to collect material for proper disposal. Rinse area with water.  
WASTE DISPOSAL: Review federal, state, provincial and local governmental requirements prior to disposal. Keep out of drinking water sources.  
STORAGE AND HANDLING: Store in a dry area. Keep container tightly closed. Do not get in eyes, on skin or clothing. Keep away from incompatible materials. Do not contaminate water, food or feed. Keep away from the reach of children and pets.

	HMIS	NFPA
<b>Health</b>	0	0
<b>Flammability</b>	0	0
<b>Reactivity</b>	0	0
<b>PPE</b>	A	

<b>HMIS</b>		<b>NFPA</b>
Severe	4	Extreme
Serious	3	High
Moderate	2	Moderate
Slight	1	Slight
Minimal	0	Insignificant
	A	Safety glasses

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. This information herein is given in good faith, but no warranty of any kind is expressed or implied. Consult IMC Salt for further information. This MSDS meets the requirements specified in 29CFR 1910.1200. Customers are responsible for compliance with local, state/provincial and federal regulations that may be pertinent in the storage, application and disposal of this product.



# TEST KAIPOW ON TARGET SURFACES FOR COMPATIBILITY

MATERIAL SAFETY DATA SHEET (PREPARED ACCORDING TO 29 CFR 1910,2100) DATE PREPARED: 01/19/2012

## SECTION 1 - PRODUCT IDENTIFICATION

Manufacturer: Kaivac, Incorporated  
Address: 401 S. Third St., Hamilton, OH 45011  
Trade Name: KaiPow  
Emergency phone: 800-535-5053  
Information phone: 800-287-1136  
Product type: Mild Alkaline Cleaning Agent

## SECTION 2--INGREDIENTS

Sodium Hydroxide	1310-73-2	1 - 10 %
Biodegradable Surfactant	Proprietary	1 - 10 %
Fragrance		Added

## SECTION 3- FIRE AND EXPLOSION HAZARD DATA

Flash Point: > 210°F  
Flammable explosive limits % By volume:  
Lower: N/A  
Upper: N/A  
Fire Extinguishing Media: Use any media suitable for the surrounding fires  
Special Fire-Fighting Procedures: Firefighters should wear full protective clothing including a self-contained breathing apparatus. Avoid contact with skin.  
Unusual Fire and Explosion Hazard: This product is an aqueous solution which will not burn.

## SECTION 4-PHYSICAL DATA

Boiling Point:	> 210°F	Concentrate pH:	11.4	Diluted pH:	10.4 - 11.0
Specific Gravity (Water=1):	1.05	Appearance:	Green		
Solubility In Water:	Complete	Odor:	Floral		
Melting Point:	Unknown				

## SECTION 5- PRODUCT HEALTH HAZARD DATA

Possible Symptoms Of Overexposure: Dry or stinging sensation

### EMERGENCY AND FIRST AID PROCEDURES:

Inhalation - Inhalation of mists of concentrated product may cause irritation to the respiratory tract.  
Ingestion - Do not induce vomiting. Drink immediately copious amounts of cold water. Vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION IMMEDIATELY.  
Skin - Flush concentrate from skin with water then wash contact area with soap and water. Concentrate may defat skin on repeated exposure leading to dermatitis. Seek medical attention if irritation persists.  
Eye - Flush eyes with running water for 15 minutes lifting eyelids during the process. Seek medical attention if irritation persists.

## SECTION 6- REACTIVITY DATA

Stable: Stable under normal conditions.  
Stability Conditions To Avoid: Mixing of concentrate with acid or incompatible materials may cause splattering and release heat. Concentrate may react with some metals forming flammable hydrogen gas. Carbon monoxide gas may form upon contact with reducing sugars or food and beverage products in enclosed spaces.  
Incompatibility ( Materials To Avoid): May react with acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc, or other alkali sensitive metals or alloys.  
Hazardous Decomposition Products: At thermal decomposition products: None known.  
Hazardous Polymerization: Will not occur

## SECTION 7-SPILL, LEAK OR DISPOSAL PROCEDURES

Waste Disposal Method: Biodegradable. Unused product should be properly diluted and disposed in the sewage system. Dispose of container according to state, federal and local laws.  
Precautions In Handling and Storing: Avoid contact of concentrate with eyes, skin, and clothing. Keep container tightly closed and properly labeled. Do not store in aluminum containers or use on aluminum surfaces. Avoid breathing vapors or mists of concentrates of this product. Use product with adequate ventilation. Wash thoroughly after handling.  
Other Precautions To Be Taken: None known

## SECTION 8-SPECIAL PROTECTION INFORMATION

Ventilation Requirements: Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.  
Protective Equipment: Eye - Wear chemical goggles when handling concentrate or diluted materials.  
Skin - Wear impervious gloves when handling concentrate. Gloves should be tested if hands become irritated when using diluted materials. Gloves are recommended even when using diluted materials.  
Other Protective Precaution: None

### HMIS CODES:

Health:	2
Flammability:	0
Reactivity:	1

Packing Group	II	Moderate Corrosivity
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