

**MATERIAL SAFETY DATA SHEET**Revision Date: 5/14/2014  
Supersedes Date: N/A

MSDS No. CCIMCMS-L16

Emergency Phones: (800) 424-9300 CHEMTREC

PLEASE NOTE: This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL and STATE RIGHT-TO-KNOW regulations. Also make this information available to any employee who requests it. It is your obligation to comply with these regulations.

**SECTION I - PRODUCT IDENTITY****PRODUCT NAME: ChemChill Metal Safe Ice Machine Clean Ice Machine Cleaner**

Formula: Mixture of organic salt in water

Chemical Type: As above

**HMIS RATINGS**

Health = 2 (Moderate)	Flammability = 0 (Insignificant)
Reactivity = 0 (Minimal)	Protection = B (Goggles and Gloves)

**SECTION II - HAZARDOUS INGREDIENTS**

	<b>PERCENT</b>	<b>TLV</b>	<b>STEL</b>	<b>CARCINOGEN (OSHA,TP,IARC)</b>
Organic Salt	25-50%	N/A	N/A	No

**SECTION III - CHEMICAL AND PHYSICAL**

Appearance: Clear colorless to pale amber liquid

Odor: Slightly mild odor

pH: &lt; 1.0

Water Solubility: Complete

Viscosity @ 25°C.: &lt; 25 cps (Brookfield)

Boiling Point: 210°F.

Melting Point: N/A

Spec. Gravity (H<sub>2</sub>O = 1): 1.175

Vapor Pressure (Mm Hg): N/A

VOC Content: None

**SECTION IV - FIRE AND EXPLOSION HAZARDS**

Flash Point (Method): None

Explosion Limits:

Upper: N/A

Lower: N/A

Extinguishing Media: N/A (product is non-flammable)

Special Firefighting Procedures and Hazards: Avoid skin and eye contact, and breathing of acid vapors. Wear head and body protection and acid respirator if exposure to liquid is likely.

**SECTION V - REACTIVITY INFORMATION**Stable: ☒Unstable: ☐**Precautions:**

Incompatibility: Avoid contact with oxidizers. Contact with hypochlorites will release toxic gases. Contact with alkaline material will generate heat.

Hazardous Decomposition Products: If in fire: may result in oxides of carbon and nitrogen. Hydrogen gas may be released upon contact with certain metals.

Hazardous Polymerization: Occurs: ☐Does Not Occur: ☒

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## SECTION VI - HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

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Inhalation: May cause irritation to throat and lungs. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

Skin: Prolonged or repeated contact can cause irritation. Immediately flush with mild soap and water for 15 minutes. Seek medical attention if irritation develops. Remove contaminated clothing and launder before reuse.

Eyes: Severe eye irritant. Immediately flush with water for 15 minutes. Seek medical attention.

Ingestion: May be harmful if swallowed. Do not induce vomiting. Drink lots of water and seek medical attention.

Most likely routes of entry: Eyes, skin.

Other Important Medical or Precautionary Information: None

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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Spills and Leaks: Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or reuse, or for neutralization with alkali before collection and disposal. Personnel should use eye and skin protection.

Storage and Handling: Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep from freezing. Keep container closed when not in use. Protect from direct sunlight. Have water hoses and alkali (caustic soda, lime, etc.) convenient. Only use containers and equipment designed for acid service. Use a respirator if area is poorly ventilated.

Waste Disposal: If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility.

Empty Containers: Rinse well before handling and disposal.

Other Precautions: N/A

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## SECTION VIII - REGULATORY INFORMATION

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Reportable for SARA Title III, S.313 (Form R): None

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