



# V & Associates, Inc. – Icx Products

*Earth Friendly Ice Melters*

## MATERIAL SAFETY DATA SHEET

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### SECTION I: MATERIAL IDENTIFICATION

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Product Name: **Absolute Zero**

Chemical Name: Magnesium Chloride

Manufactured For: *V & Associates, Inc. – Icx Products* (414)379-0601  
*N8336 Deadwood Point Rd.*  
*Fond du Lac, WI 54937*

Date Prepared: October 16, 2009 Updated: October 17, 2009

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### SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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Hazardous Components: None

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### SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

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Boiling Point: Decomposes Specific Gravity: 1.569 (H<sub>2</sub>O=1)  
Vapor Pressure: N/A Melting Point: Loses water of hydration;  
Decomposes at 116 - 118°C  
Vapor Density: N/A Evaporation Rate: N/A  
Solubility in Water: Cold 167 gm/100cc  
Hot 367 gm/100cc  
Appearance and Odor: Odorless, White or off-white colored crystals

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### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

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Flammable Limits: STP in Air

LEL: N/A

UEL: N/A

Extinguishing Media: None, Non-Flammable

Flash Point: None

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

NFPA Classification: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal

Health = 1 Flammability = 0 Reactivity = 0

Hazardous Materials Information System (HMIS): 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Minimal

Blue: (Acute Health) 1

Red: (Flammability) 0

Yellow: (Reactivity) 0

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**SECTION V: REACTIVITY DATA**

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Stability: Stable

Incompatibilities: Solution can be corrosive to some metals

Hazardous Decomposition: Hydrogen chloride when heated

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

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**SECTION VI: HEALTH HAZARD DATA**

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Signs and Symptoms of Exposure:

Ingestion: Possible nausea and vomiting

Eyes: Slight irritation may cause transient cornea injury

Skin: May cause irritation

Inhalation: Dust may be irritation but not likely to cause injury

Emergency and First Aid Procedures:

Ingestion: Low toxicity

Eyes: Irrigate with large amounts of water

Skin: Wash with water

Inhalation: Remove to fresh air

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**SECTION VII: PRECAUTION FOR SAFE HANDLING AND USE**

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Steps to be taken in case material is released or spilled: No special precautions. Sweep up and return to container or wash with large amounts of water.

Waste Disposal Method: Dispose of in accordance with federal, state, or local regulations

Precautions to be taken in handling and storage: KEEP OUT OF THE REACH OF CHILDREN

Material is deliquescent, so caking may occur with moisture and long-time storage. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Practice reasonable care and precautions.

Other Precautions: Not for food or drug use. Do not take internally.

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**SECTION VIII: CONTROL MEASURES**

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Respiratory Protection: Nuisance dust

Ventilation: Local exhaust – ventilation for nuisance dust

Protective Gloves: None

Eye Protection: Safety glasses recommended

Other: None

*The information contained in this Material Safety Data Sheet (MSDS) is, to the best of our knowledge, accurate and reliable. No warranty of any kind is either expressed or implied.*

*This information should be provided to all individuals handling this product. Federal, state, and local regulations should be followed when handling this product.*