



**HANFORD**

**MSDS#063512**

**MATERIAL SAFETY DATA SHEET**

**SECTION I: MATERIAL IDENTIFICATION**

Trade Name: **Ice Slicer<sup>®</sup> RS**  
Product: *Complex Chloride—Sodium Chloride, Potassium Chloride, Magnesium Chloride*  
Manufacturer: *Redmond Minerals, Inc.*                      Distributor: *EnviroTech Services, Inc.*  
Address: *PO Box 219*    *910 54<sup>th</sup> Avenue, #230*  
*Redmond, UT 84652*    *Greeley, CO 80634*  
Telephone:                      *(801) 423-1622*    *(970) 346-3900*  
Fax:                                      *(801) 491-2838*    *(970) 346-3959*  
Date Prepared: *April 21, 1995*  
Updated: *January, 1 2010*

**SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Contains: *Sodium Chloride, Potassium Chloride, Magnesium Chloride*  
Threshold Limit Value (TLV): *NA*  
Time Weighted Average (TWA) (OSHA):  
1 *Not subject to reporting requirements under SARA, Title III, Sec. 313.*  
2 *IARC—None established.*  
3 *ACGIH—None established.*

**SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: *Solid material, NA*  
Vapor Pressure: *Solid material, NA*  
Vapor Density: *Solid material, NA*  
Solubility in Water: *92-99%*  
Specific Gravity: *See Bulk Density*  
Evaporation Rate: *NA*  
Molecular Weight: *364*  
Appearance and Odor: *Reddish to white, no odor.*

**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

Flash Point: *None*  
Flammable Limits: *None*  
Extinguishing Media: *None Required*  
Special Fire Fighting Procedures: *None*  
Unusual Fire and Explosion Hazards: *None*

**SECTION V: REACTIVITY DATA**

Stability: *Stable*  
Incompatibility: *None*  
Hazardous Decomposition or Byproducts: *None*  
Hazardous Polymerization: *Will Not Occur*  
Conditions to Avoid: *None established*

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**SECTION VI: HEALTH HAZARD DATA**

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Routes of Entry: *Eye contact, skin contact, inhalation, ingestion.*

Effects of Overexposure: *None established*

Emergency and First Aid Procedures:

*Eyes—Flush with large quantities of water.*

*Skin—Wash with soap and water.*

*Inhalation—Remove to fresh air.*

*Ingestion—In case of significant amounts, induce vomiting to purge.*

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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: *Sweep up.*

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

Precautions to be Taken in Handling and Storage: *Store in dry area.*

Other Precautions: *None*

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**SECTION VIII: CONTROL MEASURES**

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Respiratory Protection:

Ventilation: *None required other than normal.*

Local Exhaust: *None*

Mechanical (General): *None*

Protective Gloves: *None required*

Eye Protection: *Minimum—Safety glasses*

Other Protective Equipment or Precautions: *None.*

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



MSDS # 065049

**SERVICES, INC.**

**MATERIAL SAFETY DATA SHEET**

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**SECTION I: MATERIAL IDENTIFICATION**

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Trade Name: **Meltdown Apex Anti-Icing & De-Icing Agent**  
Chemical Name: *Magnesium Chloride Solution plus Proprietary Additive*  
Manufacturer: *EnviroTech Services, Inc.*  
Address: *1140 38<sup>th</sup> Ave., Suite 1  
Greeley, CO 80634*  
Telephone: *(970) 346-3900*  
Date Prepared: *March 1, 2004* Updated:

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**SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

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*None*

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**SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS**

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Boiling Point: *225 °F*  
Vapor Pressure: *NA*  
Vapor Density: *NA*  
Solubility in Water: *100%*  
Specific Gravity: *1.24 to 1.34*  
Melting Point: *NA*  
Evaporation Rate: *1*  
Odor / Appearance: *Clear to Amber*  
*pH as shipped: 4 - 6*

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**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

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Flash Point: *NA (Non-flammable)*  
Flammable Limits: STP in Air LEL: *NA* UEL: *NA*  
Extinguishing Media: *NA (Non-flammable)*  
Special Fire Fighting Procedures: *None*  
Unusual Fire and Explosion Hazards: *None*

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**SECTION V: REACTIVITY DATA**

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Stability: *Stable*  
Incompatibility: *None*  
Hazardous Decomposition or Byproducts: *None*  
Hazardous Polymerization: *Will Not Occur*  
Conditions to Avoid: *None*

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**SECTION VI: HEALTH HAZARD DATA**

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Routes of Entry: *Ingestion, Eye Contact, Skin Contact and Inhalation*  
Effects of Overexposure: *Ingestion—Large doses would cause GI irritation*  
Emergency and First Aid Procedures: *Flush with water*

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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: *Flush with water.*  
Waste Disposal Method: *Soluble in water. Neutral or slightly basic solution occurs*  
Precautions to be Taken in Handling and Storage: *No special requirements*  
Other Precautions: *Normal standard practice for good hygiene*

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**SECTION VIII: CONTROL MEASURES**

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Respiratory Protection: *None*  
Ventilation: *Local exhaust: NA*  
*Mechanical (general): NA*  
*Special (Other): NA*  
Protective Gloves: *NA*  
Eye Protection: *Glasses with splash shields*  
Other Protective Equipment or Precautions: *NA*

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**MATERIAL SAFETY DATA SHEET****SECTION I: MATERIAL IDENTIFICATION**

Trade Name: **MeltDown Beneath Zero® (Treated Rock Salt)**  
 Product: *Sodium Chloride (Salt)*

Manufacturer: *EnviroTech Services, Inc.*  
 Address: *910 54<sup>th</sup> Ave, Suite 230  
 Greeley, CO 80634*

Telephone: *(970) 352-8845* Fax: *(970) 352-0620*  
 Date Prepared: *August 21, 2001* Updated: *January 1, 2010*

**SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

This product contains no listed or characteristic hazardous materials.

INGREDIENT CAS NUMBER	MAX. % W/W	SARA Applies			TWA/TLV (ppm)
		312	313	372	
Sodium Chloride CAS # 7647-14-5	94-99	N	N	N	N/A
Caliber™ M2000 Complex Corn based carbohydrate (no CAS # exists)	1-4	N	N	N	N/A

**SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: *Solid material, N/A*  
 Vapor Pressure: *Solid material, N/A*  
 Vapor Density: *Solid material, N/A*  
 Solubility in Water: *Nearly complete to saturation at 26.4%*  
 Specific Gravity: *Solid material, N/A*  
 Evaporation Rate: *N/A*  
 Bulk Density: *53-83 lbs./ft<sup>3</sup>*  
 Appearance and Odor: *Light to Dark Grey with slight halogen odor.*

**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

Flash Point: *None*  
 Flammable Limits: *None*  
 Extinguishing Media: *None Required*  
 Special Fire Fighting Procedures: *None*  
 Unusual Fire and Explosion Hazards: *None*

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**SECTION V: REACTIVITY DATA**

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Stability:	<i>Stable</i>
Incompatibility:	<i>Avoid contact with strong acids. Corrosive to metals when wet.</i>
Hazardous Decomposition or Byproducts:	<i>May evolve chlorine gas when in contact with strong acids.</i>
Hazardous Polymerization:	<i>Will Not Occur</i>

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**SECTION VI: HEALTH HAZARD DATA**

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Routes of Entry:	<i>Ingestion, inhalation, skin contact, eye contact.</i>
Effects of Overexposure:	
Acute Inhalation:	<i>Irritation of the respiratory tract.</i>
Chronic Inhalation:	<i>No applicable information found.</i>
Acute Skin Contact:	<i>Large amounts can cause irritation. If applied to damaged skin absorption can occur with similar effects of ingestion.</i>

## Emergency and First Aid Procedures:

*Eyes—Flush with large quantities of water.**Skin—Wash with soap and water.**Inhalation—Remove to fresh air.**Ingestion—In case of significant amounts, induce vomiting to purge.*

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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:	<i>Sweep up.</i>
Waste Disposal Method:	<i>Dispose in accordance with federal, state, or local regulations.</i>
Precautions to be Taken in Handling and Storage:	<i>Store in dry area.</i>
Other Precautions:	<i>None</i>

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**SECTION VIII: CONTROL MEASURES**

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Respiratory Protection:	
Ventilation:	<i>None required other than normal.</i>
Local Exhaust:	<i>None</i>
Mechanical (General):	<i>None</i>
Protective Gloves:	<i>None required, rubber gloves recommended</i>
Eye Protection:	<i>Minimum—Safety glasses</i>
Other Protective Equipment or Precautions:	<i>None.</i>

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## MATERIAL SAFETY DATA SHEET

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### SECTION I: MATERIAL IDENTIFICATION

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Trade Name: **MeltDown® Beneath Zero**

Chemical Name: *Corrosion inhibited Complex Chloride (Sodium Chloride, Potassium Chloride, Magnesium Chloride) and Magnesium Chloride Hexahydrate*

Manufactured For: *EnviroTech Services, Inc.*

Address: *1140 38<sup>th</sup> Ave, Suite 1  
Greeley, CO 80634*

**MSDS # 062561**

Telephone: *(970) 346-3900*

Fax: *(970) 346-3959*

Date Prepared: *August 13, 2000*

Updated: *May 17, 2004*

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### SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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No Hazardous Ingredients.

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### SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

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Boiling Point: *NA*

Vapor Pressure: *NA*

Vapor Density: *NA*

Solubility in Water: *96%*

Specific Gravity: *See Bulk Density*

Melting Point: *Partial decomposition at 116-118 °C*

Evaporation Rate: *NA*

Odor: *None*

Appearance and Odor: *Solid material, light brown to grayish white; slight odor.*

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### SECTION IV: FIRE AND EXPLOSION HAZARD DATA

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Flash Point: *NA*

Flammable Limits: *NA*

Extinguishing Media: *NA*

Special Fire Fighting Procedures: *None.*

Unusual Fire and Explosion Hazards: *None*

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### SECTION V: REACTIVITY DATA

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Stability: *Stable*

Incompatibility: *Leather*

Hazardous Decomposition or Byproducts: *If evaporated to dryness and heated above 900 °F, acidic vapors may occur.*

Hazardous Polymerization: *Will Not Occur*

Conditions to Avoid: *None*

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**SECTION VI: HEALTH HAZARD DATA**

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Routes of Entry:

*Eye Contact—mild irritant, may cause transient cornea injury.*

*Skin Contact—prolonged contact may cause transient cornea injury.*

*Inhalation—will irritate nose, throat and chest.*

*Ingestion—could cause nausea, but generally safe.*

Emergency and First Aid Procedures:

*Eyes—Flush with large quantities of water.*

*Skin—Flush with water and rinse with mild soap.*

*Inhalation—Remove to fresh air.*

*Ingestion—Give lukewarm water (1 pint)—Induce vomiting.*

**MSDS # 062561**

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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 in accordance with federal, state, or local regulations*

Precautions to be Taken in Handling and Storage: *Material is deliquescent, so caking may occur with moisture and long-time storage. Practice reasonable care and cautions.*

Other Precautions: *None*

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**SECTION VIII: CONTROL MEASURES**

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Respiratory Protection: *Nuisance dust*

Ventilation: *Local exhaust--not necessary, Mechanical (general)--not necessary*

Protective Gloves: *Rubber gloves.*

Eye Protection: *Chemical/Safety glasses with side shields*

Other Protective Equipment or Precautions: *None.*

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MSDS # 062810

## MATERIAL SAFETY DATA SHEET

**SECTION I: MATERIAL IDENTIFICATION**

Trade Name: **MeltDown® Near Zero**  
Chemical Name: *Complex Chloride: Sodium Chloride, Potassium Chloride, And Magnesium Chlorides*  
Manufactured For: *EnviroTech Services, Inc.*  
Address: *1140 38<sup>th</sup> Ave, Suite 1  
Greeley, CO 80634*  
Telephone: *(970) 346-3900*  
Fax: *(970) 346-3959*  
Date Prepared: *August 13, 2000* Updated: *May 17, 2004*

**SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Contains: *Sodium Chloride, Potassium Chloride, Magnesium Chloride*  
Threshold Limit Value (TLV): *NA*  
Time Weighted Average (TWA) (OSHA):  
1 *Not subject to reporting requirements under SARA, Title III, Sec. 313*  
2 *IARC: None established*  
3 *ACGIH: None established*

**SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: *Solid material, NA*  
Vapor Pressure: *Solid material, NA*  
Vapor Density: *Solid material, NA*  
Evaporation Rate: *N/A*  
Solubility in Water: *92-99%*  
Specific Gravity: *See Bulk Density*  
Molecular Weight: *364*  
Odor / Appearance: *Odorless, White or off-white colored crystals*

**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

Flash Point: *None*  
Flammable Limits: LEL: *None* UEL: *None*  
Extinguishing Media: *None required*  
Special Fire Fighting Procedures: *None*  
Unusual Fire and Explosion Hazards: *None*

**SECTION V: REACTIVITY DATA**

Stability: *Stable*  
Incompatibility: *None*  
Hazardous Decomposition or Byproducts: *None*  
Hazardous Polymerization: *Will Not Occur*  
Conditions to Avoid: *None established*

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**SECTION VI: HEALTH HAZARD DATA**

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## Routes of Entry:

*Ingestion:* In case of significant amount, induce vomiting to purge  
*Eyes:* Flush with copious amounts of water  
*Skin:* Wash with soap and water  
*Inhalations:* 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.*

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

Precautions to be Taken in Handling and Storage: *Store in dry areas*

Other Precautions: *None*

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**SECTION VIII: CONTROL MEASURES**

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## Respiratory Protection:

Ventilation: *Local exhaust:* Ventilation for nuisance dust  
*Mechanical (general):* None  
*Special (Other):* None

Protective Gloves: *None required*

Eye Protection: *Minimum—Safety glasses*

Other Protective Equipment or Precautions: *None*

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