

**Sears Ecological Applications Co., LLC**  
**MAGIC MINUS ZERO/ICE B'GONE MATERIAL SAFETY DATA SHEET**  
 Distillers Solubles/Magnesium Chloride

**SECTION I - MATERIAL IDENTIFICATION AND USE:**

<b>MATERIAL NAME</b> DCS5o, Magic, Magic Minus Zero		<b>CLASSIFICATION/WHMIS</b> Not Controlled
<b>MANUFACTURERS' NAME AND ADDRESS</b> Sears Ecological Applications Co. ,LLC 1914 Black River Blvd, Rome, NY 13440		<b>EMERGENCY PHONE NUMBERS</b> (315) 337-1232
<b>CHEMICAL NAME</b> MULA Magnesium Chloride and Distillers Condensed Solubles (DCS)	<b>CHEMICAL FAMILY</b> N/A	<b>CHEMICAL FOR-</b> N/A
<b>TRADE NAMES &amp; SYNONYMS</b> Distiller Solubles, DCS, Magic, Magic Minus Zero	<b>MOLECULAR WEIGHT</b> N/A	<b>MATERIAL USE</b> Deicing, anti-icing

**SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL:**

<u>CHEMICAL IDENTITY</u>	<u>CONCENTRATION %</u>	<u>C.A.S.#</u>	<u>P .I.N.#</u>	<u>LD50</u>
LC50				
Non Hazardous Chemical	N/A	N/A	N/A	N/A
N/A				

**SECTION III - PHYSICAL DATA:**

<b>PHYSICAL STATE</b> Liquid N/A	<b>ODOR AND APPEARANCE</b> Brown liquid, pleasant odor	<b>ODOR THRESHOLD</b>
<b>SPECIFIC GRAVITY</b> 1.26 N/A	<b>VAPOR PRESSURE (mm)</b> N/A	<b>VAPOR DENSITY</b>
<b>EVAPORATION RATE</b> None -30	<b>BOILING POINT(C)</b>	<b>FREEZING POINT(C)</b> 100
<b>SOLUBILITY IN WATER (20°C)</b> 3.5-4.5	<b>% VOLA TILE (BY VOLUME)</b> Soluble in water	<b>pH</b> N/A

**SECTION IV - FIRE & EXPLOSION HAZARD:**

<b>FLAMMABILITY</b> No	<b>IF YES, UNDER WHAT CONDITIONS</b> N/A
<b>MEANS OF EXTINGUISHING</b> N/A	<b>SPECIAL PROCEDURES</b> None
<b>FLASHPOINT (C) &amp; METHOD UME)</b> N/A	<b>UPPER EXPLOSIVE LIMIT (% BY VOL-</b> None
<b>LOWER EXPLOSIVE LIMIT (% BY VOLUME)</b> N/A	<b>AUTO IGNITION TEMPERATURES (C)</b> N/A
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> None	

**SECTION V- REACTIVITY DATA:**

**CHEMICAL STABILITY:** Stable

**CONDITIONS TO AVOID:** None

**INCOMPATIBILITY:** No

**REACTIVITY UNDER WHAT CONDITIONS:** N/A

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**SECTION VI -HEALTH HAZARD DATA:**

**ROUTES OF ENTRY:** Ingestion

**HEALTH HAZARDS OF ACUTE EXPOSURE TO MATERIAL:**

Very low toxicity LD50 (orl rat): 8100 mg/kg  
May cause slight irritation to eyes or skin.

**EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:** N/ A

**EXPOSURE LIMITS:** N/A

**SENSITIVITY OF MATERIAL:** Does not occur **IRRI-**

**TANCY OF MATERIAL:** N/A

**SYNERGISSTIC MATERIALS:** None **CARCINO-**

**GENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, and MUTAGENICITY:** None

**SECTION VII- PREVENTATIVE MEASURES:**

**PERSONAL PROTECTIVE EQUIPMENT:**

GLOVES: Rubber gloves if desired  
EYES: Safety goggles optional  
OTHER: None  
RESPIRATORY: None

**ENGINEERING CONTROL:** N/ A

**LEAK AND SPILL PROCEDURE:** Flush small amounts to drain, collect large amounts and mix with road sand.

**WASTE DISPOSAL:** Rinse to sewer

**HANDLING PROCEDURES & EQUIPMENT:** Wash skin and equipment with water

**STORAGE REQUIREMENTS:** Avoid aluminum tanks

**SPECIAL SHIPPING INFORMATION:** None

**SECTION VIII -FIRST AID MEASURES:**

**INHALATION:** None

**INGESTION:** If discomfort exists. give fluids and treat symptomatically. Give 2-4 glasses of water, seek medical attention.

**EYE CONTACT:** Flush eyes with fresh water.

**SKIN CONT ACT:** Wash with warm water

**SECTION IX -PREPARATION DATE OF MSDS:**

**PREPARED BY**

**TELEPHONE#**

**PREP DATE**

**SUPERSEDES**

Sears Ecological Applications Co, LLC (315) 337-1232

JANUARY 1999

NONE

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