

# Sears Ecological Applications Co, LLC

## MATERIAL SAFETY DATA SHEET

### Distillers Solubles/Magnesium Chloride

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

<b>MATERIAL NAME</b> DCS <sub>50</sub> , ICE B'GONE, Magic	<b>CLASSIFICATION/WHMIS</b> Not Controlled
<b>MANUFACTURERS' NAME AND ADDRESS</b> Sears Petroleum & Transport Corp 1914 Black River Blvd, Rome, NY 13440	<b>EMERGENCY PHONE NUMBERS</b> (315) 337-1232

<b>CHEMICAL NAME</b> Magnesium Chloride and Distillers Condensed Solubles (DCS)	<b>CHEMICAL FAMILY</b> N/A	<b>CHEMICAL FORMULA</b> N/A
<b>TRADE NAMES &amp; SYNONYMS</b> Distiller Solubles, DCS, ICE B'GONE, Magic, Magic -0, M-50, Bare Ground	<b>MOLECULAR WEIGHT</b> N/A	<b>MATERIAL USE</b> Deicing, anti-icing

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

<b>CHEMICAL IDENTITY</b>	<b>CONCENTRATION %</b>	<b>C.A.S.#</b>	<b>LD50</b>	<b>LC50</b>
Magnesium Chloride	50%	7786-30-3	N/A	N/A
Distillers Condensed Solubles	50%	56-21-5	N/A	N/A

#### SECTION III - PHYSICAL DATA:

<b>PHYSICAL STATE</b> Liquid	<b>ODOR AND APPEARANCE</b> Brown liquid, pleasant odor	<b>ODOR THRESHOLD</b> N/A
<b>SPECIFIC GRAVITY</b> 1.26	<b>VAPOR PRESSURE (mm)</b> N/A	<b>VAPOR DENSITY</b> N/A
<b>EVAPORATION RATE</b> Slightly slower than water	<b>BOILING POINT(C)</b> 105° approx	<b>FREEZING POINT(C)</b> -30°
<b>SOLUBILITY IN WATER (20C)</b> Soluble in water	<b>%VOLATILE (BY VOLUME)</b> N/A	<b>pH</b> 3.5-4.5

#### 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 VOLUME)</b> N/A	<b>UPPER EXPLOSIVE LIMIT (% BY None</b>
<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:

<b>CHEMICAL STABILITY:</b> Stable	<b>CONDITIONS TO AVOID:</b> None
<b>INCOMPATIBILITY:</b> No	<b>REACTIVITY:</b> None
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> None	

## **SECTION VI - HEALTH HAZARD DATA:**

Routes of Entry	Health Hazards	Effects of Exposure to Material	First Aid (Section VIII)
Eyes	Yes	May cause irritation of tissue.	Flush eyes promptly with fresh water for 10 minutes. Seek medical attention.
Skin	Yes	May cause slight irritation.	Wash promptly with warm fresh water and mild soap.
Inhalation	Unlikely - Only if the form of very fine spray mist.	Vapors non-irritant. Fine particles from spray mist only may cause irritation of nasal and bronchial passages.	Remove to fresh air.
Ingestion	Unlikely - Has very bitter taste and emetic properties.	May cause vomiting and tissue irritation.	Rinse mouth out with fresh water. Seek medical attention.

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

Very low toxicity LD<sub>50</sub> (oral rat): 8100 mg/kg

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

**EXPOSURE LIMITS:** N/A

**SENSITIVITY OF MATERIAL:** Does not occur

**IRRITANCY OF MATERIAL:** N/A

**SYNERGISTIC MATERIALS:** None

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

## **SECTION VII - PREVENTATIVE MEASURES:**

### **PERSONAL PROTECTIVE EQUIPMENT:**

GLOVES: Rubber gloves recommended

EYES: Safety goggles recommended

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:** DOT – not restricted, not listed as toxic chemical order 40 CFR section 372.65.

**ENVIRONMENTAL IMPACT:** Has no environmental impact due to very low phosphorus content (less than 100 ppm)

## **SECTION VIII – FIRST AID MEASURES (See above)**

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

**PREPARED BY**

Sears Ecological Applications Co, LLC

**TELEPHONE #**

(315) 337-1232

**PREP DATE**

June 2002

**SUPERSEDES**

January 1999

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