

Sears Ecological Applications Co, LLC

MATERIAL SAFETY DATA SHEET

Distillers Solubles/Magnesium Chloride

SECTION I - MATERIAL IDENTIFICATION AND USE:

MATERIAL NAME DCS ₅₀ , ICE B'GONE, Magic	CLASSIFICATION/WHMIS Not Controlled
MANUFACTURERS' NAME AND ADDRESS Sears Ecological Applications Company LLC 1914 Black River Blvd, Rome, NY 13440	EMERGENCY PHONE NUMBERS (315) 337-1232

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

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL:

CHEMICAL IDENTITY	CONCENTRATION %	C.A.S.#	LD50	LC50
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:

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

SECTION IV - FIRE & EXPLOSION HAZARD:

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

SECTION V - REACTIVITY DATA:

CHEMICAL STABILITY: Stable	CONDITIONS TO AVOID: None
INCOMPATIBILITY: No	REACTIVITY: None
HAZARDOUS DECOMPOSITION PRODUCTS: 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 LD₅₀ (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

SYNERGISSTIC 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

January 2010

SUPERSEDES

June 2002

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