

MATERIAL SAFETY DATA SHEET

HELPMATE COFFEE STAIN REMOVER SOLUTION A

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SECTION I: PRODUCT INFORMATION

TRADE NAME: HELPMATE COFFEE STAIN REMOVER - SOLUTION A
SUPPLIER/MANUFACTURER: Hunnisett Chemicals Limited, 200 Wicksteed Avenue, Toronto, Ontario M4G 2B6 (416) 421-5212
PREPARATION DATE: June 1, 2005
PRODUCT USE: Stain Remover
PRODUCT IDENTITY: Mixture

CLASS D2B

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: Isopropanol CAS# / NA# / UN#: 67-63-0 CONC. (W/W): 3 - 7%
OSHA PEL, ACGIH TLV: 400 PPM STEL 500 PPM TOXICITY: LD50 (oral, rat) 4720 mg/kg, LC50 (rat) 12,000 PPM/8 hrs.

CHEMICAL IDENTITY: Ammonium Hydroxide CAS# / NA# / UN#: 1336-21-6 CONC.(W/W): 3 - 7%
OSHA PEL, ACGIH TLV: TOXICITY LD50 (oral, rat) 350 mg/kg, LC50 (mouse) 4837 ppm/1 hr.

SECTION III: PHYSICAL DATA

PHYSICAL STATE: Liquid APPEARANCE AND ODOR: Clear, ammoniacal odor
ODOR THRESHOLD: Not determined SPECIFIC GRAVITY: 0.9
VAPOR PRESSURE: Not determined VAPOR DENSITY: Not determined
EVAPORATION RATE: Not determined BOILING POINT: 105 degrees C
FREEZING POINT: Not determined pH: 11.5
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: 100%

SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY: Not flammable
(a)
(b)
MEANS OF EXTINCTION: Not applicable
FLASHPOINT & METHOD OF DETERMINATION: Not applicable
UPPER FLAMMABLE LIMIT: Not applicable
LOWER FLAMMABLE LIMIT: Not applicable
AUTO-IGNITION TEMPERATURE: Not applicable
HAZARDOUS COMBUSTION PRODUCTS: Not applicable
EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: Not sensitive
EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE: Not sensitive

SECTION V: REACTIVITY DATA

CONDITION UNDER WHICH THE PRODUCT IS CHEMICALLY UNSTABLE: Stable
NAME OF ANY SUBSTANCE OR CLASS OF SUBSTANCE WITH WHICH THE PRODUCT IS INCOMPATIBLE: Strong oxidizing agents
CONDITIONS OF REACTIVITY: Excessive heat
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide & dioxide and nitrogen oxides.
SPECIAL NOTE: DO NOT STORE THE MIXTURE OF SOLUTIONS "A" & "B" IN CLOSED CONTAINER.

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN CONTACT: Irritant SKIN ABSORPTION: Not known
EYE CONTACT: Irritant and could cause corneal damage.
INHALATION: Irritant INGESTION: Irritant
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Irritant
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Possible reversible liver effects with ingestion.
EXPOSURE LIMITS: Not known
IRRITANCY OF PRODUCT: Mild
SENSITIZATION TO PRODUCT: Not known
CARCINOGENICITY: Not known
REPRODUCTIVE TOXICITY: Not known TERATOGENICITY: Not known
MUTAGENICITY: Not known
NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: Not known

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SECTION VII: PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Recommend gloves and eye protection.
ENGINEERING CONTROLS: Normal ventilation.
PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL: Neutralize with water.
WASTE DISPOSAL: In accordance with Provincial and Federal regulations.
HANDLING PROCEDURES AND EQUIPMENT: Good industrial hygiene.
STORAGE REQUIREMENTS: Normal warehousing.
SPECIAL SHIPPING INFORMATION: None

SECTION VIII: FIRST AID MEASURES

IN CASE OF EYE CONTACT: Flush with water.
IN CASE OF SKIN CONTACT: Wash with soap and water.
IF INHALED: Remove to fresh air.
IF INGESTED: Do not induce vomiting. Drink water.
PHYSICIAN:

SPECIAL PRECAUTIONS

One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human - system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

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PREPARATION INFORMATION

PREPARED BY: Hunnisett Chemicals Ltd. PHONE NUMBER: (416) 421-5212
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DISCLAIMER OF LIABILITY

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim all expressed or implied warranties of merchantability or of liability from the use of this product. The information contained herein, as of this date, is believed to be true and accurate, but it is the user's obligation to study the MSDS and determine the conditions for the safe use of this product.

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