

MATERIAL SAFETY DATA SHEET

ACETIC ACID 5%

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SECTION I: PRODUCT INFORMATION

TRADE NAME: ACETIC ACID 5%
SUPPLIER/MANUFACTURER: Hunnisett Chemicals Limited, 200 Wicksteed Avenue, Toronto, Ontario M4G 2B6 (416) 421-5212
PREPARATION DATE: June 1, 2005
PRODUCT USE: Spotting Agent
PRODUCT IDENTITY: Mixture

CLASS E

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: Acetic Acid CAS# / NA# / UN#: 64-19-7 CONC. (W/W): 5%
OSHA PEL, ACGIH TWA / TLV 10 ppm TOXICITY (LD50 & LC50): LD50 oral (rat) 3310 mg / kg;
LD50 dermal (rabbit) 1060 mg / kg;
LC50 (mouse) 5620 ppm per 1 hour

SECTION III: PHYSICAL DATA

PHYSICAL STATE: Liquid APPEARANCE AND ODOR: Colorless liquid, vinegar odor
ODOR THRESHOLD: Not available SPECIFIC GRAVITY: 1.0
VAPOR PRESSURE: Similar to water VAPOR DENSITY: Similar to water
EVAPORATION RATE: Not determined BOILING POINT: Not determined
FREEZING POINT: Not determined pH: Acidic
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: 100%

SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY:
(a) Requires ignition
(b)
MEANS OF EXTINCTION: Treat primary cause of fire
FLASHPOINT & METHOD OF DETERMINATION: 43 degrees C (TCC)
UPPER FLAMMABLE LIMIT: 4%
LOWER FLAMMABLE LIMIT: 20%
AUTO-IGNITION TEMPERATURE: None
HAZARDOUS COMBUSTION PRODUCTS: None known
EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: Not sensitive
EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE: Not sensitive

SECTION V: REACTIVITY DATA

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CONDITION UNDER WHICH THE PRODUCT IS CHEMICALLY UNSTABLE: Contact with alkali's
NAME OF ANY SUBSTANCE OR CLASS OF
SUBSTANCE WITH WHICH THE PRODUCT IS INCOMPATIBLE: Strong oxidizers, alkali's and bases
CONDITIONS OF REACTIVITY: Not determined
HAZARDOUS DECOMPOSITION PRODUCTS: Emits acrid and toxic fumes

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN CONTACT: Irritating to broken skin
SKIN ABSORPTION: Irritant
EYE CONTACT: Irritant
INHALATION: May be irritating after prolonged exposure
INGESTION: May cause nausea
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Not determined
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Not determined
EXPOSURE LIMITS: None
IRRITANCY OF PRODUCT: Skin - very mild
SENSITIZATION TO PRODUCT: Not known
CARCINOGENITY: Not known
REPRODUCTIVE TOXICITY: Not known
TERATOGENICITY: Not known
MUTAGENICITY: Not known
NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known

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SECTION VII: PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Eye glasses and rubber gloves are recommended

ENGINEERING CONTROLS:

PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL: Sponge or mop up

WASTE DISPOSAL: In accordance with Provincial and Municipal regulations

HANDLING PROCEDURES AND EQUIPMENT: Normal

STORAGE REQUIREMENTS: Store below 35 degrees C

SPECIAL SHIPPING INFORMATION: None

SECTION VIII: FIRST AID MEASURES

IN CASE OF EYE CONTACT: Flush with water. Consult physician

IN CASE OF SKIN CONTACT: Flush with water.

IF INHALED: Remove to fresh air. If symptoms persist seek medical attention.

IF INGESTED: Do not induce vomiting.

PHYSICIAN: Treatment based on judgement of physician and symptoms present.

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.

PREPARATION INFORMATION

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

24 HOUR EMERGENCY NUMBER: CANUTEC 1-613-996-6666

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.
