

MATERIAL SAFETY DATA SHEET

MICROBAN

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SECTION I: PRODUCT INFORMATION

TRADE NAME: Microban
SUPPLIER/MANUFACTURER: Hunnisett Chemicals Limited, 200 Wicksteed Avenue, Toronto, Ontario M4G 2B6 (416) 421-5212
PREPARATION DATE: August 1, 2002
PRODUCT USE: Carpet disinfectant
PRODUCT IDENTITY: Mixture
CLASS: D2B

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: 2 - Propanol CAS# / NA# / UN#: 67-63-0 (W/W): 5% - 10%
OSHA TWA 400 ppm STEL 500 ppm ACGIH TWA 400 ppm STEL 500 ppm
TOXICITY (LD50 & LC50): Not established

SECTION III: PHYSICAL DATA

PHYSICAL STATE: Liquid APPEARANCE AND ODOR: Milky white liquid, mint odor
ODOR THRESHOLD: Not established SPECIFIC GRAVITY: .97
VAPOR PRESSURE: Not established VAPOR DENSITY: Not established
EVAPORATION RATE: Not established BOILING POINT: 100 deg C
FREEZING POINT: Not established pH: 6.5 - 7.5
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not established WATER SOLUBILITY: 100%

SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY: Not flammable
(a)
(b)
MEANS OF EXTINCTION: Treat primary cause of fire
FLASHPOINT & METHOD OF DETERMINATION: None
UPPER FLAMMABLE LIMIT: None
LOWER FLAMMABLE LIMIT: None
AUTO-IGNITION TEMPERATURE: None
HAZARDOUS COMBUSTION PRODUCTS: None known
EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: None
EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE: None

SECTION V: REACTIVITY DATA

CONDITION UNDER WHICH THE PRODUCT IS CHEMICALLY UNSTABLE: Product is stable
NAME OF ANY SUBSTANCE OR CLASS OF
SUBSTANCE WITH WHICH THE PRODUCT IS INCOMPATIBLE: None known
CONDITIONS OF REACTIVITY: None known
HAZARDOUS DECOMPOSITION PRODUCTS: None known

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN CONTACT: Prolonged contact may be irritant
SKIN ABSORPTION: Irritant
EYE CONTACT: Irritant
INHALATION: May cause irritation of the respiratory tract
INGESTION: May cause abdominal discomfort, nausea, vomiting and diarrhea
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: None known
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: None known
EXPOSURE LIMITS: Not established
IRRITANCY OF PRODUCT: Not established
SENSITIZATION TO PRODUCT: Not established
CARCINOGENICITY: None known
REPRODUCTIVE TOXICITY: None known
TERATOGENICITY: None known
MUTAGENICITY: None known
NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known

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SECTION VII: PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Rubber gloves, protective eyewear and a NIOSH TC-23C organic vapor mask recommended

ENGINEERING CONTROLS: Maintain adequate airflow

PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL: Do not allow material to reach watercourse or sewer

WASTE DISPOSAL: In accordance with Federal and Provincial guidelines

HANDLING PROCEDURES AND EQUIPMENT: Normal

STORAGE REQUIREMENTS: Normal

SPECIAL SHIPPING INFORMATION: None

SECTION VIII: FIRST AID MEASURES

IN CASE OF EYE CONTACT: Immediately flush with plenty of water. Get medical attention if irritation persists

IN CASE OF SKIN CONTACT: Wash with plenty of soap and water

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention

IF INGESTED: Drink large amounts of water. Do not induce vomiting. Avoid alcohol. Get medical attention

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.

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.
