

MATERIAL SAFETY DATA SHEET

FORMULA 77 POWDER

SECTION I: PRODUCT INFORMATION

TRADE NAME: FORMULA 77 POWDER

SUPPLIER/MANUFACTURER: Chemspec-Hunnisett, 1260 Lakeshore Rd. E., Mississauga, Ont., L5E 3B8 (416) 421-5212

PREPARATION DATE: April 9, 2008

PRODUCT USE: Carpet Detergent

PRODUCT IDENTITY: Mixture

CLASS D2B

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: Sodium Tripolyphosphate CAS# / NA# / UN#: 7758-29-4 CONC. (W/W): 60 - 100 %
OSHA PEL, ACGIH TLV: OSHA PEL / TWA 15 mg / cu. Meter TOXICITY (LD50 & LC50): Not available

CHEMICAL IDENTITY: Alcohol Ethoxylate CAS# / NA# / UN#: 68131-39-5 CONC. (W/W): 5 - 10 %
OSHA PEL, ACGIH TLV: TOXICITY: LD50 oral, rat >500-5000 mg / kg;

CHEMICAL IDENTITY: Sodium Carbonate CAS# / NA# / UN#: 497-19-8 CONC. (W/W): 5 - 10 %
OSHA PEL, ACGIH TLV: Not available TOXICITY: LD50 oral, rat 4000 mg / kg
LC50 2300 mg / cu. meter / 2 hrs.

CHEMICAL IDENTITY: Free acid, Phosphated Isodecyl Alcohol CAS# / NA# / UN#: 122-99-6 CONC. (W/W): 3- 7 %
OSHA PEL, ACGIH TLV: Not established TOXICITY: LD50 Not Available

CHEMICAL IDENTITY: d-Limonene CAS# / NA# / UN#: 5989-27-5 CONC. (W/W): 1 - 5 %
OSHA PEL, ACGIH TLV: Not established TOXICITY LD50 oral 4400 mg/kg
LC50 inhalation - Not Known

SECTION III: PHYSICAL DATA

PHYSICAL STATE: Powder APPEARANCE AND ODOR: Yellow with lemon odor
ODOR THRESHOLD: Not known SPECIFIC GRAVITY: 0.6
VAPOR PRESSURE: Not applicable VAPOR DENSITY: Not applicable
EVAPORATION RATE: Not applicable BOILING POINT: Not applicable
FREEZING POINT: Not applicable pH: 1 % solution 11.4
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: Approx. 20%

SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY:
(a) Not Flammable
MEANS OF EXTINCTION: CO2, water
FLASHPOINT & METHOD OF DETERMINATION: Not applicable
UPPER FLAMMABLE LIMIT: Not applicable
LOWER FLAMMABLE LIMIT: Not applicable
AUTO-IGNITION TEMPERATURE: Not applicable
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

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

MATERIAL SAFETY DATA SHEET

FORMULA 77 POWDER

2

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT: Irritant

EYE CONTACT: Irritant

INGESTION: May cause nausea

SKIN ABSORPTION: Irritant

INHALATION: Irritant

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: None known

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: None known

EXPOSURE LIMITS: None known

IRRITANCY OF PRODUCT: Ingestion - See above

SENSITIZATION TO PRODUCT: None known

CARCINOGENITY: None known

REPRODUCTIVE TOXICITY: None known

TERATOGENICITY: None known

MUTAGENICITY: None known

NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known

SECTION VII: PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Rubber gloves, eye goggles, dust mask

ENGINEERING CONTROLS: Mechanical ventilation

PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL: Sweep up

WASTE DISPOSAL: In accordance with Municipal & Provincial regulations

HANDLING PROCEDURES AND EQUIPMENT: Normal

STORAGE REQUIREMENTS: Keep away from moisture

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: Not applicable

IF INGESTED: Obtain medical attention.

PHYSICIAN: Contains nonionic detergent, pH of 1% solution is 11.5

SECTION IX: PREPARATION INFORMATION

PREPARED BY: E. Vismantas (416) 421-5212

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

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.

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.
