

MATERIAL SAFETY DATA SHEET

FORMULA 77 POWDER

SECTION I: PRODUCT INFORMATION

TRADE NAME: FORMULA 77 POWDER
SUPPLIER/MANUFACTURER Chemical Specialties Mfg Corp, 901 N Newkirk St., Baltimore, MD, 21205, 800-638-7370
PREPARATION DATE: February 26, 2013
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): 70 - 75 %
OSHA PEL, ACGIH TLV: TOXICITY LD50 oral rat 3900 mg/kg

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: OSHA PEL / TWA 15 mg / cu. Meter TOXICITY: LD50 oral, rat 4090 mg / kg

CHEMICAL IDENTITY: Phosphate Ethers CAS# / NA# / UN#: 68130-47-2 CONC. (W/W): 1 - 5 %
OSHA PEL, ACGIH TLV: Not established TOXICITY: LD50 Not Available

CHEMICAL IDENTITY: 2(3H)-Benzothiazolethione, Sodium Salt CAS# / NA# / UN#: 2492-26-4 CONC. (W/W): 1 - 5 %
OSHA PEL, ACGIH TLV: Not established TOXICITY: LD50 oral rat 5200 mg/kg, dermal rabbit 5010 mg/kg

CHEMICAL IDENTITY: d-Limonene CAS# / NA# / UN#: 5989-27-5 CONC. (W/W): 1 - 5 %
OSHA PEL, ACGIH TLV: Not established TOXICITY LD50 oral rat 5000 mg/kg, dermal rabbit >5000 mg/kg

SECTION III: PHYSICAL DATA

PHYSICAL STATE: Powder APPEARANCE AND ODOR: Yellow with lemon odor
ODOR THRESHOLD: Not known SPECIFIC GRAVITY: N/A
VAPOR PRESSURE: Not applicable VAPOR DENSITY: Not applicable
EVAPORATION RATE: Not applicable BOILING POINT: Not applicable
FREEZING POINT: Not applicable pH: 1 % solution 11.4-11.8
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: Complete

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

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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

EYES: Remove contact lenses. Flush with water for at least 15 minutes. If irritation persists, consult physician.

INGESTION: Drink 1 to 2 glasses of water. If discomfort persists, consult physician

INHALED: Remove to fresh air. If symptoms persist or are severe seek prompt medical assistance.

SKIN: Remove contaminated clothing. Thoroughly wash exposed area with soap and water.

PHYSICIAN Treatment based on judgment of attending physician.

SECTION IX: PREPARATION INFORMATION

PREPARED BY: Chemical Specialties Mfg. Corp – 800-638-7370

24 HOUR EMERGENCY NUMBER: Chemtrec 800-424-9300

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.
