

MATERIAL SAFETY DATA SHEET

FORMULA 161

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SECTION I: PRODUCT INFORMATION

TRADE NAME: FORMULA 161

SUPPLIER/MANUFACTURER: Chemical Specialties Mfg Corp, 901 N Newkirk St, Baltimore, MD, 21205, 800-638-7370

PREPARATION DATE: February 26, 2013

PRODUCT USE: Carpet Shampoo

PRODUCT IDENTITY: Mixture

CLASS D2B

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: Sodium Alpha Olefin Sulfonate CAS# / NA# / UN#: 68439-57-6 CONC. (W/W): 15 - 20 %
OSHA PEL, ACGIH TLV: Not established TOXICITY LD50 oral rat 500-5000 mg/kg, dermal rabbit 400-2000 mg/kg

CHEMICAL IDENTITY: Triphosphoric Acid, Sodium Salt CAS# / NA# / UN#: 7758-29-4 CONC. (W/W): 1 - 5%
ACGIH TLV: OSHA PEL: Not Available TOXICITY (LD50 & LC50): LD50 oral rat 3900 mg/kg

CHEMICAL IDENTITY: Dipropylene glycol n-butylether CAS# / NA# / UN#: 29911-28-2 CONC.(W/W): 1 - 5%
ACGIH TLV: 2 mg/m³ TWA / TLV 10 mg/m³ TOXICITY LD50 oral, rat 4400 mg / kg, dermal rabbit 6490 mg/kg

CHEMICAL IDENTITY: Chelating Mixture CAS# / NA# / UN#: 64-02-8 CONC. (W/W): 1 - 5%
ACGIH TLV: 2 mg/m³ OSHA PEL: 2 mg/m³ TOXICITY LD50 oral rat 3030 mg/kg, dermal rabbit >5000 mg/kg

SECTION III: PHYSICAL DATA

PHYSICAL STATE: Liquid APPEARANCE AND ODOR: Light yellow with perfume odor

ODOR THRESHOLD: None known SPECIFIC GRAVITY: 1.050 g/cc

VAPOR PRESSURE: Similar to water VAPOR DENSITY:

EVAPORATION RATE BOILING POINT:

FREEZING POINT: Not determined pH: 9.2 - 9.8

COEFFICIENT OF WATER/OIL DISTRIBUTION: Miscible in water WATER SOLUBILITY: 100%

SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY:

(a) Not Flammable

(b)

MEANS OF EXTINCTION: Non combustible

FLASHPOINT & METHOD OF DETERMINATION: >93°C

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: None known

CONDITIONS OF REACTIVITY: None known

HAZARDOUS DECOMPOSITION PRODUCTS: None

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SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN CONTACT: Slightly irritating
SKIN ABSORPTION: Slight irritant
EYE CONTACT: Irritant
INHALATION: Not known
INGESTION: May cause nausea
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: None known
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: None known
EXPOSURE LIMITS: Not known
IRRITANCY OF PRODUCT: Not determined
SENSITIZATION TO PRODUCT: Not 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, safety glasses
ENGINEERING CONTROLS: Not required
PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL: Mop up
WASTE DISPOSAL: In accordance with Municipal & Provincial regulations
HANDLING PROCEDURES AND EQUIPMENT: Normal
STORAGE REQUIREMENTS: Store below 35 degrees C
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.
