

MATERIAL SAFETY DATA SHEET

FORMULA 70

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SECTION I: PRODUCT INFORMATION

TRADE NAME: FORMULA 70
SUPPLIER/MANUFACTURER: Chemical Specialties Mfg Corp, 901 N Newkirk St., Baltimore, MD, 21205, 800-638-7370
PREPARATION Date: February 26, 2013
PRODUCT USE: Carper Detergent
PRODUCT IDENTITY: Mixture

CLASS D2B

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: Sodium Carbonate CAS# / NA# / UN#: 497-19-8 CONC. (W/W): 15 - 40%
OSHA PEL, ACGIH TLV: 10 mg/cu m TOXICITY: LD50 oral, rat 2800 mg / kg
LC50 guinea pig 800 mg/kg

CHEMICAL IDENTITY: Alcohol Ethoxylate (C12-C15) CAS# / NA# / UN#: 68131-39-5 CONC.(W/W): 10 - 30%
OSHA PEL, ACGIH TLV TOXICITY: Oral LD50 Rat >500-5000mg/kg

SECTION III: PHYSICAL DATA

PHYSICAL STATE: Powder APPEARANCE AND ODOR: Off white with slight odor
ODOR THRESHOLD: None known SPECIFIC GRAVITY: 0.63
VAPOR PRESSURE: Not applicable VAPOR DENSITY: Not applicable
EVAPORATION RATE: Not applicable BOILING POINT: Not applicable
FREEZING POINT: Not applicable pH: 1% solution 9.5-10.5
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: Approx. 30

SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY:
(a) Not Flammable
MEANS OF EXTINCTION: Water, CO2 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

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN CONTACT: Irritant SKIN ABSORPTION: Irritant
EYE CONTACT: Irritant
INHALATION: May cause allergic reactions in sensitive individuals
INGESTION: May cause nausea
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: None known
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: None known
EXPOSURE LIMITS: None known
IRRITANCY OF PRODUCT: Inhalation - See Above
SENSITIZATION TO PRODUCT: None known 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, safety glasses, 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: Normal
SPECIAL SHIPPING INFORMATION: Normal

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.
