

MATERIAL SAFETY DATA SHEET

FORMULA 90 LIQUID

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SECTION I: PRODUCT INFORMATION

TRADE NAME: FORMULA 90 LIQUID
SUPPLIER/MANUFACTURER: Chemical Specialties Mfg Corp, 200 Confederation Pkwy, Concord ON, L4K 4T8, (416) 421-5212
PREPARATION DATE: January 10, 2011
PRODUCT USE: Carpet Detergent
PRODUCT IDENTITY: Mixture

CLASS D2B

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: Alcohol Ethoxylate (C12-C15) CAS# / NA# / UN#: 68131-39-5 (W/W): 10 - 30%
OSHA PEL, ACGIH TLV: Not Avialable TOXICITY: Oral LD50 Rat >500-5000mg/kg

CHEMICAL IDENTITY: Disodium dodecylidiphenyl ether di sulphonate CAS# / NA# / UN#: 28519-02-0 (W/W): 10- 30 %
ACGIH TLV: TWA / TLV Not determined TOXICITY: LD50 oral, rat Not determined

CHEMICAL IDENTITY: Chelating Agent (Mixture) CAS# / NA# / UN#: Not Available (W/W) 5 - 10 %
OSHA PEL, ACGIH TLV: Not available TOXICITY: LD50 oral rat 3030 mg / kg
LD50 dermal rabbit >5000 mg / kg

CHEMICAL IDENTITY: Ethoxylated Alcohol CAS# / NA# / UN#: 160875-66-1 (W/W): 1 - 5 %
OSHA PEL, ACGIH TLV: TOXICITY: LD50 >500 mg / kg;

SECTION III: PHYSICAL DATA

PHYSICAL STATE: Liquid APPEARANCE AND ODOR: Blue with pleasant smell
ODOR THRESHOLD: Not known SPECIFIC GRAVITY: 1.080
VAPOR PRESSURE: Not applicable VAPOR DENSITY: Not applicable
EVAPORATION RATE: Not applicable BOILING POINT: Not applicable
FREEZING POINT: Not applicable pH: CONCENTRATE: 13.0 - 14.0
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: N/D

SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY: Not Flammable
MEANS OF EXTINCTION: CO2, water, dry chemical
FLASHPOINT & METHOD OF DETERMINATION: >93.3°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: Concentrated acids
CONDITIONS OF REACTIVITY: None known
HAZARDOUS DECOMPOSITION PRODUCTS: None known

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SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN & EYE CONTACT: Irritant INGESTION: May cause nausea
INHALATION : May be harmful
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: None known
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: None known
EXPOSURE LIMITS: None known
IRRITANCY OF PRODUCT: Inhalation and 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 & FIRST AID MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Rubber gloves, eye goggles recommended.
ENGINEERING CONTROLS: Mechanical ventilation
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: 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: 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.
