

MATERIAL SAFETY DATA SHEET

FORMULA 90 LIQUID

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SECTION I: PRODUCT INFORMATION

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TRADE NAME: FORMULA 90 LIQUID

SUPPLIER/MANUFACTURER: Hunnisett Chemicals Limited, 200 Wicksteed Avenue, Toronto, Ontario M4G 2B6 (416) 421-5212

PREPARATION DATE: June 1, 2005

PRODUCT USE: Carpet Detergent

PRODUCT IDENTITY: Mixture

CLASS D2B

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SECTION II: HAZARDOUS INGREDIENTS

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CHEMICAL IDENTITY: Sodium Metasilicate CAS# / NA# / UN#: 6834-92-0 CONC. (W/W): 7 - 13 %
ACGIH TLV: OSHA PEL / TWA :Not established TOXICITY: LD50 oral, rat 847 mg / kg

CHEMICAL IDENTITY: Benzene, 1,1'-oxybis, tetrapropylene CAS# / NA# / UN#: 119345-04-9 (W/W) 10 - 30 %
Derivatives, sulfonated, sodium salts
OSHA PEL, ACGIH TLV: Not available TOXICITY: LD50 (oral Mus) >2,000 mg / kg
LD50 (dermal, rabbit) >2,000 mg / kg

CHEMICAL IDENTITY: Nitritotriacetic Acid, Trisodium Salt CAS# / NA# / UN#: 5064-31-3 (W/W): 10 - 30 %
ACGIH TLV: TWA / TLV 1 mg / cu. Meter TOXICITY:LD50 oral, rat 1470 mg / kg.

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SECTION III: PHYSICAL DATA

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PHYSICAL STATE: Liquid APPEARANCE AND ODOR: Blue with pleasant smell
ODOR THRESHOLD: Not known SPECIFIC GRAVITY: 1.22 - 1.33
VAPOR PRESSURE: Not applicable VAPOR DENSITY: Not applicable
EVAPORATION RATE: Not applicable BOILING POINT: Not applicable
FREEZING POINT: Not applicable pH: CONCENTRATE: 13.0 - 13.5
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: 84 - 87% by weight

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SECTION IV: FIRE AND EXPLOSION DATA

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CONDITIONS OF FLAMMABILITY: Not Flammable
MEANS OF EXTINCTION: CO2, water, dry chemical
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

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SECTION V: REACTIVITY DATA

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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

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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

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**SECTION VII: PREVENTATIVE & FIRST AID MEASURES**

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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

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**SECTION VIII: FIRST AID MEASURES**

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IN CASE OF EYE & SKIN CONTACT: Flush with water for 10 minutes. Consult physician.  
IF INHALED: Not applicable. IF INGESTED: Drink 2 glasses of water.  
PHYSICIAN: Contains nonionic detergent. pH of 1% solution is 11.5

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**SPECIAL PRECAUTIONS**

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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.

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**PREPARATION INFORMATION**

PREPARED BY: Hunnisett Chemicals Ltd. PHONE NUMBER: (416) 421-5212

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

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**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.

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