

MATERIAL SAFETY DATA SHEET

LIQUID HIGH HEAT

SECTION I: PRODUCT INFORMATION

TRADE NAME: LIQUID HIGH HEAT
SUPPLIER/MANUFACTURER: Chemspec-Hunnisett, #100, 211 Westcreek Dr., Woodbridge, Ont., L4L 9T7 (416) 421-5212
PREPARATION DATE: January 31, 2008
PRODUCT USE: Carpet cleaning detergent
PRODUCT IDENTITY: Mixture
CLASS: D2B

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: Phosphate Ester CAS# / NA# / UN#: 68130-47-2 CONC. (W/W): 7 -13 %
OSHA PEL, ACGIH TLV: Not Available TOXICITY: LD50 (oral, rat) Not Available
CHEMICAL IDENTITY: Anionic Surfactant/Polymer CAS# / NA# / UN#: Not Available CONC. (W/W): 7 -13 %
OSHA PEL, ACGIH TLV: Not Available TOXICITY: LD50 (oral, rat) Not Available
CHEMICAL IDENTITY: Caustic Soda AS# / NA# / UN#: 1310-73-2 CONC. (W/W): 1 - 5 %
OSHA PEL, ACGIH TLV: 2mg/cubic metre TOXICITY: LD50 (oral, rat) >500 mg/kg

SECTION III: PHYSICAL DATA

PHYSICAL STATE: Clear Liquid APPEARANCE AND ODOR: Blue powder, fresh odor
ODOR THRESHOLD: Not applicable SPECIFIC GRAVITY: 1.031
VAPOR PRESSURE: Not applicable VAPOR DENSITY: Not applicable
EVAPORATION RATE: Not applicable BOILING POINT: Not applicable
FREEZING POINT: Not applicable pH: at use 3.0 - 4.0
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: All Proportions

SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY: None
(a)
(b)
MEANS OF EXTINCTION: Fight means of original fire
FLASHPOINT & METHOD OF DETERMINATION: Not applicable
UPPER FLAMMABLE LIMIT: Not applicable
LOWER FLAMMABLE LIMIT: Not applicable
AUTO-IGNITION TEMPERATURE: None
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: Possible oxides of carbon and other unidentified organic compounds.

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:
SKIN CONTACT: Irritant
SKIN ABSORPTION: Irritant
EYE CONTACT: Irritant
INHALATION: May cause irritation of the upper respiratory tract.
INGESTION: May cause abdominal discomfort, nausea and diarrhea.
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: None known
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: None known
EXPOSURE LIMITS:
IRRITANCY OF PRODUCT: See above
SENSITIZATION TO PRODUCT:
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: Recommend wearing gloves and protective goggles when mixing this product. When mists or aerosols are anticipated, wear NIOSH.MSHA approved respirator equipped with organic vapour cartridges with high efficiency particulate filters.
ENGINEERING CONTROLS: Have fresh air
PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL:
WASTE DISPOSAL: Dispose of according to local and federal regulations
HANDLING PROCEDURES AND EQUIPMENT: None normally required
STORAGE REQUIREMENTS: Normal
SPECIAL SHIPPING INFORMATION: Not required

SECTION VIII: FIRST AID MEASURES

EYES: Flush with water for at least 15 minutes. If irritation persists consult physician.
INGESTION: Drink 1 to 2 glasses of water. 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.