

MATERIAL SAFETY DATA SHEET

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1. PRODUCT NAME & HAZARD SUMMARY

6720 VIVISIZE LIQUID SIZING FOR PERCHLOROETHYLENE OR PETROLEUM SOLVENT

PRIMARY USE: FABRIC SIZING

| NFPA HAZARD | RATING | SARA TITLE III, SECTION 313 | CANADA (WHMIS) |
|-------------|------------|-----------------------------|---------------------------|
| HEALTH | 2 MODERATE | APPLICABLE () | B: FLAMMABLE, COMBUSTIBLE |
| FIRE | 2 MODERATE | NOT APPLICABLE (X) | |
| REACTIVITY | 0 MINIMAL | | |

2. HAZARDOUS COMPONENTS

| | % | OSHA (PPM) | ACGIH (PPM) | LD 50 (MG/KG) |
|-----------------------|-------|------------|-------------|---------------|
| ALIPHATIC HYDROCARBON | ≤50.0 | PEL 500 | TWA 100 | STEL N.AV. |
| C.A.S. #64742-88-7 | | | | N.AV. |

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

| | |
|--|---|
| APPEARANCE: WATER WHITE VISCOUS LIQUID | EVAPORATION RATE (BUTYL ACETATE = 1): 0.03 |
| ODOR: MILD SOLVENT | VAPOR DENSITY (AIR =1): APPROX. 5.4 |
| BOILING PT.: 355°F (179°C) | VAPOR PRESSURE (MM): 0.5 (68°F) |
| FREEZING PT.: N.AV. | SOLUBILITY IN WATER: SLIGHT |
| pH: N.AP. | SPECIFIC GRAVITY (WATER = 1): 0.81 |
| % VOLATILE: 50% | CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N.AV. |
| ODOR THRESHOLD (PPM): N.AV. | |

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: 142°F (61°C)
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: Not determined
 FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): Dry chemical, CO₂, water spray or alcohol foam. For large fires use water spray, fog or alcohol foam.
 SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained breathing apparatus.
 UNUSUAL FIRE AND EXPLOSION: None
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon
 CONDITIONS OF FLAMMABILITY: High heat and sources of ignition
 AUTO IGNITION TEMP. (°C): N.AV.
 EXPLOSION DATA: - SENSITIVITY TO MECHANICAL IMPACT: N.AV.
 SENSITIVITY TO STATIC DISCHARGE: N.AV.

5. REACTIVITY HAZARD DATA

STABILITY (CONDITIONS TO AVOID): May be ignited by heat, sparks or flames. Vapors may travel to a source of ignition. Container may explode in heat of fire. Run off to sewer may create fire or explosion hazard.
 INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers and strong reducing agents: Explosion hazard
 HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release toxic and/or hazardous gases.
 HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID): Will not occur

6. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION___ SKIN_X_ INGESTION_X_

WARNING! MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. MAY BE HARMFUL IF SWALLOWED.

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: Liquid and vapors may cause defatting of skin which can lead to irritation with redness, tearing and blurred vision, repeated or prolonged contact may cause conjunctivitis.
 SKIN: Prolonged contact may cause defatting of skin which can lead to irritation and/or dermatitis.
 INGESTION: May cause gastrointestinal irritation, nausea, vomiting, diarrhea and central nervous system depression with dizziness, weakness, fatigue and headache. Aspiration into the lungs may result in chemical pneumonitis which may be fatal.

6. HEALTH HAZARD DATA (cont'd)

INHALATION: Not likely unless heated or misted
 IRRITANCY OF PRODUCT: N.AV.
 SENSITIZATION TO PRODUCT: N.AV.
 CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY, MUTAGENICITY: N.AV.
 TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N.AV.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Remove contact lenses, if worn. Flush with water for at least 15 min. Call a physician.
 SKIN: Remove any contaminated clothing, wash area with water or soap and water for at least 15 minutes, get medical attention.
 INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention.
 INGESTION: Treat symptomatically, get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration into lungs.

7. SPILL AND LEAK PROCEDURES

Remove sources of ignition.

LARGE SPILLS: Contain and transfer to container for use or disposal.
 SMALL SPILLS: Absorb on rags and clean rags in cleaning unit.
 WASTE DISPOSAL METHOD: May be considered a hazardous waste, dispose of according to all applicable regulations. Incineration in permitted facilities or disposal in permitted land fill are preferred disposal methods.
 HANDLING PROCEDURES & EQUIPMENT: Avoid direct contact with product.
 STORAGE REQUIREMENTS: Keep away from heat and sources of ignition.

8. SPECIAL PROTECTION, PREVENTATIVE MEASURES/IN CASE OF LARGE SPILL OR FIRE

ENGINEERING CONTROLS/VENTILATION: Local exhaust system sufficient to maintain exposure below TWA values.

RESPIRATOR: THE FOLLOWING RESPIRATORS ARE RECOMMENDED AND RANKED IN ORDER FROM MIN. TO MAX. PROTECTION:

CHEMICAL CARTRIDGE RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE WITH A FULL FACE PIECE.
 GAS MASK WITH ORGANIC VAPOR CANISTER WITH A FULL FACE PIECE.
 TYPE 'C' SUPPLIED-AIR RESPIRATOR WITH FULL FACE PIECE.
 SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN PRESSURE-DEMAND

PERSONAL PROTECTIVE EQUIPMENT: Wear goggles when handling product.

9. TRANSPORTATION DATA

DOT HAZARD CLASSIFICATION 49 CFR 172.101: Combustible liquid, not regulated
 DOT LABEL: None
 U.N./IATA: Not regulated

10. STATE RIGHT TO KNOW INFORMATION

ALIPHATIC HYDROCARBON-C.A.S. #64742-88-7, HYDROCARBON RESIN C.A.S. #66003-51-0,
 PEG, 200 DILAURATE, C.A.S. #9005-02-1

ABBREVIATIONS:

OSHA = Occupational Safety & Health Administration
 TWA = Time Weighted Average for 8 Hours
 Mg/M³ = Milligrams per Cubic Meter of Air
 NFPA = National Fire Protection Agency
 (C) = Ceiling, Limit for Exposure
 DOT = Department of Transportation
 MG/KG = Milligrams per Kilogram (1,000 grams)
 WHMIS = Workplace Hazardous Materials Information System - Canada
 ACGIH = American Conference of Government Industrial Hygienists
 R.Q. = Amount of spill that must be reported to EPA
 SARA Title III, Sec. 313 = Superfund Amendments and Reauthorization Act

C.A.S. = Chemical Abstract Service Number
 LD 50 = Lethal Dose for 50% Test Animals
 PEL = Permissible Exposure Level
 STEL = Short Term Exposure Level (15 min)
 ppm = part(s) per million
 SKN = Skin Effects
 IATA = International Air Transport Association
 N.AV. = Not Available
 N.AP. = Not Applicable
 U.N. = United Nations

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