1. PRODUCT NAME & HAZARD SUMMARY

5503 INJECTION SIZING FOR PERCHLOROETHYLENE, PETROLEUM & 1,1,1-TRICHLOROETHANE SOLVENTS

PRIMARY USE: FABRIC SIZING

NFPA HAZARD RATING
- HEALTH: 2 MODERATE
- FIRE: 2 MODERATE
- REACTIVITY: 0 MINIMAL

3. PHYSICAL & CHEMICAL DATA

APPEARANCE: BLUE-GREEN LIQUID
ODOR: MILD SOLVENT
BOILING PT.: 355°F (179°C)
FREEZING PT.: N.AV.
pH: N.A.P.
% VOLATILE: 33%
ODOR THRESHOLD (PPM): N.AV.

3. PHYSICAL & CHEMICAL DATA

EVAPORATION RATE (BUTYL ACETATE = 1): 0.03
VAPOR DENSITY (AIR = 1): APPROX. 5.4
VAPOR PRESSURE (MM): 0.5 (68°F)
SOLUBILITY IN WATER: SLIGHT
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.AV.

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: 147°F (64°C)
FLAMMABLE LIMITS IN AIR, % BY VOLUME: Not determined.
FIRE FIGHTING MEDIA: 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_____ INGESTION_____

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.A.V.
SENSITIZATION TO PRODUCT: N.A.V.
CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY, MUTAGENICITY: N.A.V.
TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N.A.V.

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 onto rags and clean rags in cleaning unit.
WASTE DISPOSAL METHOD: May be considered a hazardous waste, dispose of according to all applicable regulations.
HANDLING PROCEDURES & EQUIPMENT: Avoid direct contact with product.
STORAGE REQUIREMENTS: Keep away from heat and sources of ignition.

8. SPILL AND LEAK PROCEDURES (cont' d)

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

RESPIRATOR: The following respirators are recommended & 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 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 (400) DIOLEATE-C.A.S. #9005-07-6, FATTY ACID-ESTER METHYLSULFATE QUATERNARY-C.A.S # 157905-74-3

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
PEL = Permissible Exposure Level
STEL = Short Term Exposure Level (15 min)
ppm = part(s) per million
DOT = Department of Transportation
MG/KG = Milligrams per Kilogram (1,000 grams)
WHIMIS = 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

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