1. PRODUCT NAME & HAZARD SUMMARY

5530 TEX CLEAN DETERGENT FOR PERCHLOROETHYLENE SOLVENT
PRIMARY USE: DRYCLEANING DETERGENT

NFPA HAZARD RATING SARA TITLE III, SECTION 313 CANADA (WHMIS)
HEALTH: 2 MODERATE APPLICABLE ( ) D2: CAUSING OTHER TOXIC EFFECTS
FIRE: 2 MODERATE NOT APPLICABLE (X) B: FLAMMABLE, COMBUSTIBLE
REACTIVITY: 0 MINIMAL

2. HAZARDOUS COMPONENTS

<table>
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<tr>
<th></th>
<th>%</th>
<th>OSHA (PPM)</th>
<th>ACGIH (PPM)</th>
<th>LD 50 (MG/KG)</th>
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<tbody>
<tr>
<td>HEXTYLENE GLYCOL</td>
<td>≤ 9.0</td>
<td>N.AV.</td>
<td>N.AV. 25(C)</td>
<td>3,700 ORAL-RAT</td>
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<td>C.A.S. #107-41-5</td>
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<tr>
<td>ISOPROPYL ALCOHOL</td>
<td>≤ 5.0</td>
<td>N.AV.</td>
<td>25 (C)</td>
<td>3,700 ORAL-RAT</td>
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<tr>
<td>C.A.S. # 67-63-0</td>
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INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

APPEARANCE: YELLOW TO AMBER
ODOR: MILD LEMON
BOILING PT.: 212°F (100°C)
FREEZING PT.: 20°F (-6°C)
pH: 5.5 - 6.5
% VOLATILE: 70-75%
ODOR THRESHOLD (PPM): N.AV.

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: 105°F (41°C) TC.C.
FLAMMABLE LIMITS IN AIR, % BY VOLUME: N.AV.
FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): Dry chemical, CO₂, water spray or alcohol foam.
SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None
HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon
CONDITIONS OF FLAMMABILITY: N.AP.
AUTO IGNITION TEMP. (°C): N.AV.
EXPLOSION DATA: SENSITIVITY TO MECHANICAL IMPACT: N.AP.
SENSITIVITY TO STATIC DISCHARGE: N.AV.

5. REACTIVITY HAZARD DATA

STABILITY (CONDITIONS TO AVOID): Stable
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release Oxides of Carbon.
HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID): Will not occur

6. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION_____ SKIN_X__ INGESTION_X__

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: Liquid and vapors may cause irritation, corneal injury, conjunctivitis. Prolonged contact may cause conjunctivitis, iritis and corneal opacity.
SKIN: Prolonged contact may cause defatting of skin, which can lead to irritation, dermatitis.
INGESTION: of a large dose may cause abdominal pain, nausea and vomiting.
6. HEALTH HAZARD DATA (cont’d)

INHALATION: Low hazard unless heated or misted.
IRRITANCY OF PRODUCT: Slight, primary irritation index: 5.0, based on erythema and edema
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 contaminated clothing, wash affected area with soap and water. If any symptoms of contact appear, get medical help.
INHALATION: Remove to fresh air. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Get medical attention immediately.
INGESTION: Treat symptomatically and supportively. 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 drums for use or disposal.
SMALL SPILLS: Absorb onto rags. 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.
STORAGE REQUIREMENTS: Store away from heat, flames and other sources of ignition.

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

ENGINEERING CONTROLS/VENTILATION: Local exhaust system.

RESPRATOR: 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 HAZARD CLASSIFICATION 49 CFR172.101: None, not regulated
DOT LABEL: None
U.N./IATA: Not regulated

10. STATE RIGHT TO KNOW INFORMATION


ABBREVIATIONS:
OSHA = Occupational Safety & Health Administration C.A.S. = Chemical Abstract Service Number
TWA = Time Weighted Average for 8 Hours LD 50 = Lethal Dose for 50% Test Animals
Mg/M³ = Milligrams per Cubic Meter of Air PEL = Permissible Exposure Level
NFPA = National Fire Protection Agency STEL = Short Term Exposure Level (15 min)
(C) = Ceiling, Limit for Exposure ppm = part(s) per million
DOT = Department of Transportation SKN = Skin Effects
MG/KG = Milligrams per Kilogram (1,000 grams) IATA = International Air Transport Association
WHMIS = Workplace Hazardous Materials Information System - Canada N.A.V. = Not Available
ACGIH = American Conference of Government Industrial Hygienists N.AP. = Not Applicable
R.Q. = Amount of spill that must be reported to EPA U.N. = United Nations
SARA Title III, Sec. 313 = Superfund Amendments and Reauthorization Act

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