



WHMIS MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFIER: **TEXTSTYLE FORMULA TS-1**
PRODUCT USEAGE: **SPOT CLEANER FOR TEXTILES**
PRODUCT ID NUMBER: **TS-1**

SECTION 1 - MANUFACTURER

Technical Marketing, Ltd.
P.O. Box 4700
927 Indio Muerto St.
Santa Barbara, Ca. 93140

HAZARD RATING

0 LEAST	HEALTH	2
1 SLIGHT		
2 MODERATE	FIRE	1
3 HIGH		
4 EXTREME	REACTIVITY	0

Date Prepared: August 1st, 2005

D.O.T. Shipping Information: RQ; Toxic, Liquid, Organic, N.O.S. (DICHLOROMETHANE, TETRACHLOROETHYLENE); 6.1 ; U.N.# 2810 ; PG.III
Small Containers (1 gallon size or smaller up to Max of 60 lbs. Per case): Not Regulated; Consumer Commodity, ORM-D

Emergency Telephone No.: ChemTrec: 1-800-424-9300

Other Calls: Tekmar: 1-805-965-0704

SECTION 2 - HAZARDOUS INGREDIENTS

<u>Chemicals/Common Name</u>	<u>%</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>	<u>CAS No.</u>	<u>SARA Title III sec.313 reportable</u>
Dichloromethane	70-90	25	25	75-09-2	Yes
Petroleum, Naphtha	5-15	300	300	64742-47-8	No
Tetrachloroethylene	5-15	25	25	127-18-4	Yes
Proprietary Non-Hazardous Components	<1	N/A	N/A	N/A	No

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	105 - 275° F.	Specific Gravity(H ₂ O=1):	1.245	Vapor Pressure (mm Hg):	205.57
Solubility in Water:	Negligible (<0.1%)	Reactivity in Water:	No	Vapor Density(Air=1):	3.12
Appearance / Odor:	Water White / Irritating	Physical State:	Liquid	V.O.C.# (By % Calculation):	252 G/L

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: >160°F. T.C.C. Flammable Limits in Air % By Volume (@25°C): LEL (Lower) 12% UEL (Upper) 21%

Auto Ignition: None Extinguishing Media: Use Foam, CO₂, or Dry Chemical

Fire Fighting Procedures: The use of self-contained breathing apparatus is recommended for Fire Fighters.
Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.

Unusual Fire & Explosion Hazards: Keep work areas free of hot metal surfaces and other sources of ignition.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable

Conditions to Avoid: Open flames, hot surfaces, or any ignition source.

Incompatibility: This product is incompatible with strong oxidizing agents. strong acids or bases, alkali metals halogens and strong alkalis.

Hazardous Reactivity: Will not occur.

Hazardous Decomposition: Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide. Above 200° C., hydrogen chloride, phosgene.

DISCLAIMER

All information appearing herein concerning our products is based upon tests and data believed to be reliable; however it is the users responsibility to determine the safety, toxicity, and suitability of the product for their own use. Since the actual use by others is beyond our control, no guarantee expressed or implied, is made by Tekmar as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Tekmar assume any liability arising out of the use by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary when particular conditions exist or because of applicable laws or government regulations.

SECTION 6 - HEALTH HAZARDS (Toxicological Properties)

Routes of entry: Skin contact: Yes Skin Absorption: Yes Eye Contact: Yes Inhalation: Yes Ingestion: Yes

Acute Health Effects and Routes of Potential Entry, Plus Symptoms of Overexposure

1. **Inhalation:** Irritates eyes, nose, throat, and respiratory tract. May cause central nervous system depression, including one or more of the following: Headache, Dizziness, Incoordination, Unconsciousness, and even Death
2. **Skin:** Exposure to liquid produces burning sensation and can cause defatting, drying and irritation.
3. **Eyes:** Irritation to Conjunctiva, may cause pain.
4. **Ingestion:** Single dose oral toxicity is considered to be low. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. If aspirated into lungs it may result in injury to other body systems.

Chronic Health Effects:

Possible liver and kidney damage. Defatting of skin, chronic conjunctivitis, central nervous system depression.

Symptoms of Exposure:

Overexposure to fumes: light headed, nauseous.

Medical Conditions Generally Aggravated by Exposure:

Preexisting eye, skin, central nervous system or respiratory disorders may be aggravated by exposure to this product.

Chemicals Listed As a Potential Carcinogens: NTP: **Yes** I.A.R.C. Monographs: **Yes** OSHA: **Yes**

This product is not believed to pose measurable carcinogenic risk when handled as recommended.

SECTION 7 - SPECIAL PROTECTION INFORMATION AND PREVENTIVE MEASURES

Respiratory: The use of respiratory protection depends on vapor concentrations above the time-weighted TLV: Use a NIOSH approved cartridge respirator or gas mask.

Ventilation: Local exhaust, enough to keep PPM below listed levels

Protective Gloves: Impermeable gloves PVA or Nitrile. Consult your safety equipment dealer for compatibility.

Eye Protection: Chemical safety glasses, goggles or face shields.

Protective Equipment: Eye washes and safety showers are recommended in work area.

Hygienic Practices: Contaminated clothing should be removed and washed in hot water with soap.

Waste Information: Dispose of according to all local and provincial regulations.

Handling And Storage:

Keep containers tightly sealed when not in use. Repack only into compatible glass or metal containers. If transferred, new containers must contain product labels for proper identification, safety, handling and storage.

Other Precautions:

Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent area cool. Avoid spreading burning liquid with water used for cooling purposes.

In Case of Spill:

Keep sources of ignition and hot metal surfaces isolated from the spill. Flush spilled material into suitable retaining areas or containers. Small amounts of spilled material may be absorbed with any standard absorbent.

SECTION 8 - FIRST AID MEASURES

Routes of Entry (Emergency and First Aid Procedures)

1. **Inhalation:** If light headed or having breathing difficulties expose victim to fresh air and/or oxygen. If breathing stops, begin Artificial respiration and seek medical attention.
2. **Skin:** Wash with soap and water. If irritation from contact persists, seek medical attention.
3. **Eyes:** Flush immediately with cold water for 15 minutes, and seek medical attention.
4. **Ingestion:** If swallowed, do not induce vomiting except under the direction of a physician; seek immediate medical attention.

SECTION 9 – PREPARATION INFORMATION

PREPARED BY: TEKMAR – EHS DEPT.

PHONE: (805) 965-0704

DATE: AUG 1-2005

THIS MSDS CONFORMS WITH CANADIAN WHMIS STANDARDS