



SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION

Product identifier: **TEXSTYLE SCORCH REMOVER**

Product Code TSR-16

Product use: Removing scorch and burn marks from Cotton apparel.

Manufacturer's name and address:

TEKMAR-TECHNICAL MARKETING LTD.

927 Indio Muerto Street, Santa
Barbara, CA 93103, USA
805-965-0704 800-564-1096

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300 (For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

This SDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

IMPORTANT: Read this MSDS before handling and disposing of this product. Pass this information on to employees, customers, and users of this product.

SECTION 2 — HAZARDS IDENTIFICATION



DANGER!



Hazard class: Oxidizing liquids (Category 1), May cause fire or explosion; strong oxidizer (H271), Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210)

Hazard class: Skin and eye damage, corrosion or irritation (Category 1A), Causes severe skin burns and eye damage (H314 + H318)

Hazard class: Acute toxicity, inhalation (Category 5). May be harmful if inhaled (H333)

SECTION 3 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS

Ingredients	CAS #	(weight)	OSHA% PEL(ppm)	ACGIH TLV (ppm)
Hydrogen Peroxide	7722-84-1	07 – 30	1	1
Blend				
Water	7732-18-5	>70		

SARA 313 Listed Chemicals

None known.

CAS #

N/Ap

% (weight)

N/Ap

Chemical Family: Peroxide.**CAS No.:** Mixture**SECTION 4 — FIRST AID MEASURES**

Call a POISON CENTER or physician if you feel unwell (P312)

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). Immediately call a POISON CENTER or physician (P310).

If on skin (or hair): Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

If swallowed: Rinse mouth. Immediately call a POISON CENTER or physician (P301+P310+P330).

SECTION 5 — FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Non-flammable. This material does not burn but is considered an oxidizing material. Prolonged contact with combustible materials may cause fire. Molecular oxygen may be released during a fire and increase the burning rate of the fire.

Flash point (Method): N/Ap

Auto-ignition temperature: N/Av

Lower flammable limit (% by volume): N/Ap

Upper flammable limit (% by volume): N/Ap

Explosion data: *Sensitivity to mechanical impact:* N/Av

Sensitivity to static discharge: N/Av

Oxidizing properties: Yes

Suitable extinguishing media: Use large quantities of water fog. Molecular oxygen may be released during a fire which supports combustion and reduces the effectiveness of suffocation type fire extinguishers. Chemical agent fire extinguishers may accelerate the burning rate.

Special fire-fighting procedures/equipment: Firefighters should wear full body protection and self-contained breathing apparatus operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water spray to cool equipment and containers exposed to heat and flame.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release.

Environmental precautions: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Dike far ahead of the spill for later recovery or disposal.

Spill response/Cleanup: Eliminate all sources of ignition and remove any nearby combustible materials. Ventilate area of release. Stop leak if you can do so without risk.

Small spill – Absorb spilled material with non-combustible absorbent material, such as perlite or vermiculite, then place absorbent material into a container for later disposal (see Section 13). Use non-sparking tools.

Contaminated absorbent material may pose the same hazards as the spilled product.

Large spill – Pump spilled liquid to salvage tank. Absorb remaining spilled liquid with non-combustible absorbent material, such as clay, sand or other floor absorbent material, then place absorbent material into a container for later disposal (see Section 13). Dilute the spill area with a large volume of water and hold in a pond or diked area until remaining hydrogen peroxide decomposes.

Notify the appropriate authorities as required.

Prohibited materials: None known.

Special spill response procedures: If a spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center (phone: 1-800-424-8002).

DOT/CERCLA Reportable quantity: None

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: This material is a harmful oxidizer. Wear protective equipment during handling. Use in a well ventilated area. Avoid inhalation of vapours or mists. Avoid contact with skin, eyes and clothing.

Wash thoroughly after handling. Keep away from heat and flame. Keep away from flammable or combustible materials. Keep away from reducing agents and incompatibles. Use caution when opening containers. Use glass, stainless steel, aluminum or plastic handling utensils. Never return unused hydrogen peroxide to original container to prevent contamination. Empty containers or drums should be rinsed with water before discarding. Keep container closed when not in use.

Storage requirements: Store in a cool, dry, well-ventilated area away from all sources of heat and incompatible materials. Contamination or exposure to heat may generate oxygen, which could result in high pressures and possible container ruptures. Do not store in unvented container.

Incompatible materials: Flammable/combustible materials, organic compounds, iron and other heavy metals, copper alloys, ferrous metals, reducing agents, bases, cyanides.

Special packaging materials: Not available.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: Use general or local exhaust ventilation to meet TLV requirements.

Respiratory protection: Respiratory protection is required if the airborne concentration exceeds the TLV. Use NIOSH-approved respirators in absence of proper environmental controls. Do not use respirators containing oxidizable sorbants such as activated carbon. If concentrations in excess of 10 ppm are expected, use approved self-contained breathing apparatus. Additional advice should be sought from respiratory protection specialists.

Protective gloves: Gloves impervious to the material, such as neoprene, are recommended. Advice should be sought from glove suppliers.

Eye protection: Chemical splash goggles and full face shield are recommended to prevent direct contact and injury.

Other protective equipment: Rubber or neoprene footwear, polyester or acrylic clothing, and eyewash station.

Permissible exposure levels: See Section 2.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, colour and odour: Clear, colourless liquid. Odourless.

Coefficient of oil/water distribution: Not Available.

Specific gravity (@20°C / 68°F) (water = 1): 1.01 (8.41 Lbs/gal)

Melting/freezing point: -3°C (27°F).

Vapour pressure: 31 mm Hg @ 30°C

Evaporation rate (n-Butyl acetate=1): >1

Volatile organic compounds (VOC's): N/Av

Odour threshold: Not Available.

pH: 2.5 – 3.5.

Boiling point: 101°C (214°F)

Vapour density: Not Available.

Solubility in water (%): 100

Percent Volatile by Weight: N/Av

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Stable under the recommended storage and handling conditions prescribed. This

product may decompose when contaminated or when exposed to direct sunlight. Hazardous polymerization will not occur.

Conditions to avoid: Excessive dirt, organic materials or combustible/flammable materials; heat and direct sunlight.

Materials to avoid: Incompatible materials (see Section 7).

Hazardous decomposition products: Oxygen. Product may liberate water and heat.

SECTION 11 — TOXICOLOGICAL INFORMATION

LD₅₀: See Section 2

LC₅₀: See Section 2

Routes of exposure: Skin contact, eye contact, absorption, inhalation, and ingestion.

Toxicological data: There is no available data for the product itself, only for the ingredients.

Carcinogenicity: Hydrogen peroxide is not classified as carcinogenic by IARC, NTP or OSHA. Hydrogen peroxide is classified as a confirmed animal carcinogen with unknown human relevance by ACGIH (Group A3).

Teratogenicity, mutagenicity, other reproductive effects: None known.

Sensitization to material: None known.

Conditions aggravated by exposure: Pre-existing skin or respiratory disorders.

Synergistic materials: N/Av.

SECTION 12 — ECOLOGICAL INFORMATION

Environmental effects: The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Important environmental characteristics: N/Av

Aquatic toxicity: There is no data available on the product itself.

SECTION 13 — WASTE DISPOSAL

Handling for disposal: Handle waste according to recommendations in Section 7.

Methods of disposal: 'Empty' drums should be completely drained and rinsed with water prior to disposal. A suitable method may be to dilute with a large amount of water and allow the hydrogen peroxide to decompose, followed by discharge into a suitable treatment system in accordance with all appropriate governmental regulations. Disposal methods should be in accordance with the applicable federal, provincial, state, and local regulations.

SECTION 14 — TRANSPORTATION INFORMATION

Transportation of Dangerous Goods Clear Language (CLR) information:

Shipping description: HYDROGEN PEROXIDE, AQUEOUS SOLUTION, Class 5.1, UN2984, PGIII.

Other Shipping Information: Limited Quantity exemption may apply. Under the CLR, refer to Section 1.17

for Limited Quantity Shipping Information, if shipping under this exemption (5 Litre Quantity or less).

49 CFR information:

Shipping description: Hydrogen peroxide, aqueous solution (16 ounce bottles only shipped by ground within the United States only)
DOT Hazard Class: ORM-D

Hydrogen peroxide, aqueous solution, 5.1, UN2984, PGIII (for 1 gallon and larger) DOT Hazard Class: 5.1

SECTION 15 — REGULATORY INFORMATION

WHMIS information: **C** (*Oxidizing material*), **D2A** (*ACGIH Carcinogenicity classification*), **D2B** (*Eye irritant*).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

CEPA information: All of the ingredients are listed on the DSL/NDSL.

TSCA information: All ingredients are listed on the TSCA inventory.

SARA Section 313: See Section 2

RCRA: For disposal of unused material check with local, state and federal environmental agencies.

California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer.

NFPA: Health 3
Flammability 0
Reactivity 1

HMIS: Health: 3
Flammability: 0
Physical Hazard: 1
Personal Protection: C

C = Goggles, Goggles & Protective Apron.

SECTION 16 — OTHER INFORMATION

Legend: N/Av – Not Available OSHA – Occupational Safety and Health Act
Inh – Inhalation
TLV – Threshold Limit Value
DSL – Domestic Substances List
CAS – Chemicals Abstract Service
Limit CFR – United States Code of Federal Regulations
SARA – Superfund Amendments & Reauthorization Act
IARC – International Agency for Research on Cancer
CEPA – Canadian Environmental Protection Act
NIOSH – National Institute for Occupational Safety and Health
ACGIH – American Conference of Governmental Industrial Hygienists
EPA – United States Environmental Protection Agency
DOT – United States Department of Transportation
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act (EPA)
OEHHA – Office of Environmental Health Hazard Assessment
WHMIS – Workplace Hazardous Material Information System

N/Av – Not Available
Inh – Inhalation
TSCA – Toxic Substances Control Act
NDSL – Non-Domestic Substances List
PEL – Permissible Exposure

References: ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2002.
International Agency for Research on Cancer Monographs, Supplement 7, 1988.
Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, March 17, 2003 (Chempendium and RTECs).
Material Safety Data Sheets from manufacturer.
US EPA Title III List of Lists – October 2001 version.
California's OEHHA Proposition 65 List – March 14, 2003 version

NOTICE:

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.