

MATERIAL SAFETY DATA SHEET

FABRITEC INTERNATIONAL
 1157 INDUSTRIAL ROAD
 COLD SPRING, KY 41076
 EMERGENCY CONTACT: HAROLD E. MAINS (859) 781-8200
 CHEMTREC ASSISTANCE: (800) 262-8200 (U.S.A. & CANADA)

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1. PRODUCT NAME & HAZARD SUMMARY

6735 TRIK TANNIN STAIN REMOVER
 PRIMARY USE: SPOT REMOVAL

NFPA HAZARD	RATING	SARA TITLE III, SECTION 313	CANADA (WHMIS)
HEALTH	2 MODERATE	APPLICABLE ()	D2: CAUSING OTHER TOXIC EFFECTS
FIRE	U UNKNOWN	NOT APPLICABLE (X)	
REACTIVITY	0 MINIMAL	VOC content: 35 grams per liter	

2. HAZARDOUS COMPONENTS	%	OSHA (PPM)	ACGIH (PPM)	LD 50 (MG/KG)
HYDROXYACETIC ACID C.A.S. #79-14-1	≤ 5.0	PEL N.A.V.	TWA STEL N.A.V. N.A.V.	1,950 ORAL-RAT LD I.V. IN CATS 1.0g/kg LC 50: 7.7 MG/l/4H
POLYPROPYLENE GLYCOL C.A.S. #25322-69-4	≤ 5.0	N.A.V.	N.A.V. N.A.V.	600 ORAL-RAT

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

APPEARANCE: CLEAR TO SLIGHTLY HAZY YELLOW LIQUID	EVAPORATION RATE (ETHER = 1): EQUAL TO WATER
ODOR: MILD, SOAPY	VAPOR DENSITY (AIR =1): N.AP.
BOILING PT.: 212°F (100°C)	VAPOR PRESSURE (MM): N.AP.
FREEZING PT.: 32°F (0°C)	SOLUBILITY IN WATER: COMPLETE
pH: 3.0	SPECIFIC GRAVITY (WATER = 1): 1.03
% VOLATILE: 85%	CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N.A.V.
ODOR THRESHOLD (PPM): N.A.V.	

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: None
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: Not determined
 FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): None
 SPECIAL FIRE-FIGHTING PROCEDURES: None
 UNUSUAL FIRE AND EXPLOSION: None
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon and Nitrogen
 CONDITIONS OF FLAMMABILITY: N.A.V.
 AUTO IGNITION TEMP. (°C): N.AP.
 EXPLOSION DATA: - SENSITIVITY TO MECHANICAL IMPACT: N.AP.
 SENSITIVITY TO STATIC DISCHARGE: N.AP.

5. REACTIVITY HAZARD DATA

STABILITY (CONDITIONS TO AVOID): Stable
 INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers
 HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release Oxides of Carbon and Nitrogen
 HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID): Will not occur

6. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION___ SKIN_X___ INGESTION___

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

Primary Irritation Score = 2.0 (Category IV, 40 CFR 156.10), per dermal administration (rabbit)

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: Liquid may cause redness, pain inflammation of cornea and conjunctival irritation.
 SKIN: Prolonged exposure may cause dermatitis. Polypropylene Glycol 1200 caused the death of 1 in 5 animals when 30 gm/kg (massive dose) was applied for 24 hours.
 INGESTION: May cause nausea, sore throat and abdominal pain. May produce central nervous system stimulation including tremors, excitement and convulsions.

6. HEALTH HAZARD DATA (cont'd)

INHALATION: Low hazard unless heated or misted. May cause irritation with coughing and labored breathing (dyspnea).

IRRITANCY OF PRODUCT: Slight

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. and call a physician.

SKIN: Remove contaminated clothing; wash affected area with soap and water.

INHALATION: Remove to fresh air. If breathing has stopped, perform artificial respiration. If breathing is difficult give oxygen, if available. Get medical help.

INGESTION: If conscious, give large amounts of water. Do not induce vomiting, get medical help. If vomiting should occur, keep head below 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 fills are preferred disposal methods.

HANDLING PROCEDURES & EQUIPMENT: Avoid direct contact.

STORAGE REQUIREMENTS: Keep away from heat, caustic materials.

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

ENGINEERING CONTROLS/VENTILATION: General room ventilation.

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 chemical tight 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

WATER-C.A.S. #7732-18-5, LAURYL DIMETHYLAMIDE OXIDE C.A.S. #1643-20-5, HYDROXYACETIC ACID-C.A.S. #79-14-1, POLYPROPYLENE GLYCOL-C.A.S. #25322-69-4

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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