

MATERIAL SAFETY DATA SHEET

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1. PRODUCT NAME & HAZARD SUMMARY

6743 L.P.S. LAUNDRY PRE-SPOTTER
 PRIMARY USE: SPOT REMOVAL

NFPA HAZARD	RATING	SARA TITLE III, SECTION 313	CANADA (WHMIS)
HEALTH	1 SLIGHT	APPLICABLE ()	D2: CAUSING OTHER TOXIC EFFECTS
FIRE	1 SLIGHT	NOT APPLICABLE (X)	
REACTIVITY	0 MINIMAL		

2. HAZARDOUS COMPONENTS % OSHA (PPM) ACGIH (PPM) LD 50 (MG/KG)

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

APPEARANCE: YELLOW LIQUID	EVAPORATION RATE (ETHER = 1): EQUAL TO WATER
ODOR: CITRUS	VAPOR DENSITY (AIR =1): N.AV.
BOILING PT.: 212°F (100°C)	VAPOR PRESSURE (MM): 17.5
FREEZING PT.: 32°F (0°C)	SOLUBILITY IN WATER: COMPLETE
pH: 12	SPECIFIC GRAVITY (WATER = 1): 1.01
% VOLATILE: >80%	CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N.AV.
ODOR THRESHOLD (PPM): N.AV.	

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: 130°F, WILL NOT BURN - CONTAINS WATER
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: N.AP.
 FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): N.AP.
 SPECIAL FIRE-FIGHTING PROCEDURES: None
 UNUSUAL FIRE AND EXPLOSION: None
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon
 CONDITIONS OF FLAMMABILITY: None
 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): N.AP.
 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____

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

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: May cause irritation, corneal damage.
 SKIN: Prolonged exposure may dry and defat the skin causing irritation and dermatitis.
 INGESTION: May cause diarrhea, intestinal distention and occasionally vomiting.

6. HEALTH HAZARD DATA (cont'd)

INHALATION: Inhalation of generated mist or vapors produced from elevated temperatures may cause irritation of the mucous membranes.

IRRITANCY OF PRODUCT: Slight

SENSITIZATION TO PRODUCT: May cause sensitization dermatitis.

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: 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

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: None.

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: Combustible liquid, not regulated for ground shipments.

DOT LABEL: None

U.N./IATA: 3 PKG. GROUP: III

10. STATE RIGHT TO KNOW INFORMATION

WATER-C.A.S. #7732-18-5, KSP 100 C.A.S. #78330-21-9, D-LIMONENE-C.A.S. #138-86-3, SODIUM METASILICATE-C.A.S. #6834-92-0, SODIUM DODECYLBENZENE SULFONATE-C.A.S. #25155-30-0

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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