

MATERIAL SAFETY DATA SHEET

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1. PRODUCT NAME & HAZARD SUMMARY

6707 UNI-BRITE PREMEASURED CONCENTRATED DETERGENT TUB

PRIMARY USE: DRYCLEANING DETERGENT

NFPA HAZARD	RATING	SARA TITLE III, SECTION 313	CANADA (WHMIS)
HEALTH	U UNKNOWN	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)
HEXYLENE GLYCOL	≤ 12.0	PEL N.A.V.	TWA STEL N.A.V. 25(C)	3,700 ORAL-RAT
C.A.S. #107-41-5				

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

APPEARANCE: AMBER, VISCIOUS LIQUID, SEALED IN A 2 OZ.	PLASTIC CONTAINER
ODOR: NONE	VAPOR DENSITY (AIR =1): N.A.V.
BOILING PT.: 212°F (100°C)	VAPOR PRESSURE (MM): N.A.P.
FREEZING PT.: 20°F (-6°C) LIQUID PORTION	SOLUBILITY IN WATER: COMPLETE FOR LIQUID
pH: 4-5 OF LIQUID	SPECIFIC GRAVITY (WATER = 1): 1.00 OF LIQUID
% VOLATILE: N.A.P.	CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N.A.V.
ODOR THRESHOLD (PPM): N.A.V.	EVAPORATION RATE (ETHER =1): N.A.P.

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: None
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: N.A.P.
 FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): Dry chemical, CO₂, water spray or foam spray
 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.A.P.
 AUTO IGNITION TEMP. (°C): N.A.V.
 EXPLOSION DATA: - SENSITIVITY TO MECHANICAL IMPACT: N.A.P.
 SENSITIVITY TO STATIC DISCHARGE: N.A.V.

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____

WARNING! LIQUID PORTION MAY CAUSE EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. PRODUCT IS A VERY LOW HAZARD UNLESS THE SEALED CONTAINER IS RUPTURED.

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: Liquid and vapors may cause irritation.

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: Mildly irritating
 SENSITIZATION TO PRODUCT: N.AV.
 CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY, MUTAGENICITY: N.AV.
 TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N.AV.

EMERGENCY AND FIRST AID PROCEDURES: FOR LIQUID PORTION OF PRODUCT -

EYES: Remove contact lenses, if worn. Flush with water for at least 15 min. Call a physician.
 SKIN: Flush with water. Remove contaminated clothing.
 INHALATION: Remove to fresh air.
 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

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 with liquid portion.
 STORAGE REQUIREMENTS: Store away from heat.

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 goggles when handling product

9. TRANSPORTATION DATA

DOT HAZARD CLASSIFICATION 49 CFR 172.101: None, not regulated
 DOT LABEL: None
 U.N./IATA: Not regulated

10. STATE RIGHT TO KNOW INFORMATION

WATER-C.A.S. #7732-18-5, OLEYL IMIDAZOLINE BETAINE-C.A.S. #67892-37-9, ETHOXYLATED ALCOHOLS C.A.S. #78330-21-9,
 HEXYLENE GLYCOL-C.A.S. #107-41-5, OLEYL IMIDAZOLINE QUATERNARY-C.A.S. #72749-55-4

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/M ³ = 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.AV. = 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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