

MATERIAL SAFETY DATA SHEET

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MSDS NO.: 6707  
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 PAGE: 1 OF 2

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.AV.	TWA    STEL N.AV. 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  
 BOILING PT.: 212°F (100°C)  
 FREEZING PT.: 20°F (-6°C) LIQUID PORTION  
 pH: 4-5 OF LIQUID  
 % VOLATILE: N.AP.  
 ODOR THRESHOLD (PPM): N.AV.

VAPOR DENSITY (AIR =1): N.AV.  
 VAPOR PRESSURE (MM): N.AP.  
 SOLUBILITY IN WATER: COMPLETE FOR LIQUID  
 SPECIFIC GRAVITY (WATER = 1): 1.00 OF LIQUID  
 CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N.AV.  
 EVAPORATION RATE (ETHER =1): N.AP.

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: None  
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: N.AP.  
 FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): Dry chemical, CO<sub>2</sub>, 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.AP.  
 AUTO IGNITION TEMP. (°C): N.AV.  
 EXPLOSION DATA: - SENSITIVITY TO MECHANICAL IMPACT: N.AP.  
 SENSITIVITY TO STATIC DISCHARGE: N.AV.

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)

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 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

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 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

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 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

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 DOT HAZARD CLASSIFICATION 49 CFR172.101: None, not regulated  
 DOT LABEL: None  
 U.N./IATA: Not regulated

## 10. STATE RIGHT TO KNOW INFORMATION

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 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 <sup>3</sup> = 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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