

MATERIAL SAFETY DATA SHEET

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MSDS NO.: 6734  
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1. PRODUCT NAME & HAZARD SUMMARY

**6734 LEVELOL** LEVELING AGENT  
 PRIMARY USE: DRYCLEANING AID

NFPA HAZARD	RATING	SARA TITLE III, SECTION 313	CANADA (WHMIS)
HEALTH	2 MODERATE	APPLICABLE ( )	B: FLAMMABLE, COMBUSTIBLE
FIRE	2 MODERATE	NOT APPLICABLE (X)	
REACTIVITY	0 MINIMAL		

2. HAZARDOUS COMPONENTS

	%	OSHA (PPM)	ACGIH (PPM)	LD 50 (MG/KG)
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		PEL	TWA	STEL	LD 50 (MG/KG)
ALIPHATIC HYDROCARBON	≤ 75.0	500	100	N.AV.	N.AV.
C.A.S. #64742-88-7					

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

APPEARANCE: WATER WHITE MOBILE LIQUID	EVAPORATION RATE (BUTYL ACETATE = 1): 0.03
ODOR: PETROLEUM, OILY	VAPOR DENSITY (AIR = 1): 5.4
BOILING PT.: 362°F (182°C)	VAPOR PRESSURE (MM): 0.5mm (68°F)
FREEZING PT.: 20°F (-6°C)	SOLUBILITY IN WATER: COMPLETE
pH: NOT APPLICABLE	SPECIFIC GRAVITY (WATER = 1): 0.81
% VOLATILE: 75	CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N.AV.
ODOR THRESHOLD (PPM): N.AV.	

-4. FIRE & EXPLOSION HAZARDS

FLASH POINT: ≥ 145°F (63°C)  
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: Not determined for product, limits for solvent (1 - 6% in air)  
 FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): Dry chemical, CO<sub>2</sub>, water spray or alcohol foam. For large fires use water spray, fog or alcohol foam.  
 SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained breathing apparatus  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon  
 CONDITIONS OF FLAMMABILITY: High heat and sources of ignition  
 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\_\_X\_\_

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: Liquid and vapors may cause irritation with redness, tearing and blurred vision. Repeated or prolonged contact may cause conjunctivitis.  
 SKIN: Prolonged contact may cause defatting of skin, which can lead to irritation, dermatitis.  
 INGESTION: May cause gastrointestinal irritation, nausea, vomiting, diarrhea and central nervous system depression with dizziness, weakness, fatigue and headache. Aspiration into lungs may result in chemical pneumonitis which may be fatal.

## 6. HEALTH HAZARD DATA (cont'd)

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 INHALATION: Low hazard unless heated or misted. May cause irritation of throat and nose, dizziness and lung edema with chest tightness.

IRRITANCY OF PRODUCT: N.AV.

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. 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: 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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 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 fill are preferred disposal methods.

HANDLING PROCEDURES & EQUIPMENT: Avoid direct contact.

STORAGE REQUIREMENTS: Store away from heat, flames and other sources of ignition.

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

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 ENGINEERING CONTROLS/VENTILATION: Local exhaust system sufficient to maintain exposure below TWA values

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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 ALIPHATIC HYDROCARBON-C.A.S. #64742-88-7, Sodium Dioctylsulfosuccinate C.A.S. #577-11-7, Propylene Glycol C.A.S. #504-63-2

## ABBREVIATIONS:

OSHA = Occupational Safety & Health Administration

TWA = Time Weighted Average for 8 Hours

Mg/M<sup>3</sup> = 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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