

MATERIAL SAFETY DATA SHEET

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1. PRODUCT NAME & HAZARD SUMMARY

6747 FLIK OILY GEL TYPE PAINT & GREASE REMOVER
 PRIMARY USE: SPOT REMOVAL

NFPA HAZARD	RATING	SARA TITLE III, SECTION 313	CANADA (WHMIS)
HEALTH	2 MODERATE	APPLICABLE ()	B: FLAMMABLE, COMBUSTIBLE
FIRE	2 MODERATE	NOT APPLICABLE (X)	D2: CAUSING OTHER TOXIC EFFECTS
REACTIVITY	0 MINIMAL	VOC content: 785 grams per liter	

2. HAZARDOUS COMPONENTS

	%	OSHA (PPM)	ACGIH (PPM)	LD 50 (MG/KG)
AROMATIC HYDROCARBON		PEL 46.0	TWA N.A.V.	STEL 10 15
C.A.S. #4742-94-5	N.A.V.			
ALIPHATIC HYDROCARBON	27.0	500	100	N.A.V. N.A.V.
C.A.S. #64742-88-7				

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

APPEARANCE: CLEAR TO OPAQUE GEL	EVAPORATION RATE (H ₂ O = 1): 1.0
ODOR: PETROLEUM	VAPOR DENSITY (AIR = 1): N.A.V.
BOILING PT.: >355°F (179°C)	VAPOR PRESSURE (MM): N.A.V.
FREEZING PT.: N.A.V.	SOLUBILITY IN WATER: APPRECIABLE
pH: N.A.P.	SPECIFIC GRAVITY (WATER = 1): 0.84
% VOLATILE: 65%	CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N.A.V.
ODOR THRESHOLD (PPM): N.A.V.	

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: >142°F (61°C)
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: N.A.V.
 FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): Dry chemical, CO₂, water spray 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.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__X__

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

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: May cause irritation, corneal damage and conjunctivitis.
 SKIN: May cause irritation and defatting of skin. May cause dermatitis. Butyl Cellosolve may be absorbed through skin to cause headache, drowsiness, tremors and blurred vision. May affect blood chemistry, kidneys and liver. Prolonged contact may induce pathological lesions of the brain, lungs, liver, meninges and heart.

6. HEALTH HAZARD DATA (cont'd)

-----INGESTION: May produce narcotic responses, central nervous system depression with giddiness, headache, dizziness, nausea and vomiting. May cause diarrhea and gastrointestinal irritation. May affect blood chemistry, kidneys and liver. May produce pathological lesions of the brain, lungs liver, meninges and heart.

INHALATION: Low hazard unless heated or misted.

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. Get medical help.

INGESTION: Do NOT induce vomiting, get medical help. If vomiting occurs, 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 landfills is 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

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 and nitrile rubber gloves when handling product

9. TRANSPORTATION DATA

DOT HAZARD CLASSIFICATION 49 CFR172.101: Combustible liquid, not regulated.

DOT LABEL: None

U.N./IATA: Not regulated

10. STATE RIGHT TO KNOW INFORMATION

AROMATIC HYDROCARBON-C.A.S. #4742-94-5, GLYCOL ETHER-C.A.S. #34590-94-8, ALIPHATIC HYDROCARBON-C.A.S. #64742-88-7, SORBITAN MONOOLEATE C.A.S. #1338-43-8, PHOSPHATE ESTER C.A.S. #68954-84-7

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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