

10-4 GUM  
REMOVER

V1N4B3 TEL. 604-365-3111

PRODUCT: \* 697 10-4 GUM REMOVER \*  
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SECTION I MATERIAL IDENTIFICATION

WHMIS CLASSIFICATION	N. AP
CHEMICAL FAMILY	FLUOROCARBON/ETHER
CHEMICAL FORMULA	N. AP
MOLECULAR WEIGHT	N. AP
TRADE NAME/SYNONYM	SAME AS ABOVE
	SAME AS ABOVE
MATERIAL USE	CLEANER
FLAMMABILITY	1
REACTIVITY	0
HEALTH	1
PERSONAL PROTECTION	0

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	DICHLORODIFLUOROMETHANE
APPROX. CONCENTRATION %	60-100
CAS/NA/DR UN NUMBER	75-71-8
EXPOSURE LIMITS	1000 PPM
LD50/LC50/SPECIES/ROUTE	LC50-800000 PPM (.5 HR RAT )

SECTION 3 PHYSICAL DATA FOR MATERIAL

PHYSICAL STATE GAS/LIQUID/SOLID	GAS
ODOUR/APPEARANCE	COLORLESS, SLIGHT ETHEREAL ODOR.
ODOUR THRESHOLD (PPM)	N. AP
SPECIFIC GRAVITY	1.31
VAPOUR PRESSURE (MM)	70
VAPOUR DENSITY (AIR=1)	6.33
EVAPORATION RATE	RAPID
BOILING POINT (DEG. C)	-29 DEG. C
FREEZING POINT (DEG. C)	-158 DEG. C
SOLUBILITY IN WATER (20 DEG. C)	INSOL
% VOLATILE (BY VOL.)	N. AP
PH	N. AP
DENSITY (G/ML)	N. AP
COEFFICIENT OF WATER/OIL DISTRIBUTION	N. AP

SECTION 4 FIRE AND EXPLOSION HAZARD

FLAMMABILITY Y/N - CONDITIONS?	NO
MEANS OF EXTINCTION	DRY CHEMICAL, CO2, FOAM
SPECIAL PROCEDURES	WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD UP IF EXPOSED TO EXTREME TEMPERATURES.
FLASHPOINT (DEG. C) AND METHOD	NON-FLAMMABLE
UPPER EXPLOSION LIMIT (% BY VOL.)	NON-FLAMMABLE
LOWER EXPLOSION LIMIT (% BY VOL.)	NON-FLAMMABLE
AUTO-IGNITION TEMP. (DEG. C)	NON-FLAMMABLE
TDG FLAMMABILITY CLASSIFICATION	2.1 AEROSOLS
HAZARDOUS COMBUSTION PRODUCTS	POSSIBLE PHOSGENE OVER 500 DEG. C HYDROCARBON FUMES AND SMOKE. CO WHERE COMBUSTION IS COMPLETE.
EXPLOSION SENSITIVITY TO CHEM. IMPACT	CONTAINERS MAY EXPLODE IF EXPOSED TO TEMPERATURES HIGHER THAN 50 DEG. C

RATE OF BURNING N. AP  
 EXPLOSIVE POWER N. AP  
 SENSITIVITY TO STATIC DISCHARGE N. AP

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SECTION 5 REACTIVITY DATA

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CHEM. STABILITY Y/N - CONDITIONS? YES, STABLE  
 INCOMPATIBILITY? TO WHAT? YES, ALKALI AND ALKALINE EARTH MATERIALS.  
 REACTIVITY - CONDITIONS? STORAGE IN HOT UNVENTILATED AREAS.  
 HAZARDOUS DECOMPOSITION PRODUCTS POSSIBLE PHOSGENE OVER 500 DEG. C  
 HYDROCARBON FUMES AND SMOKE. CO WHERE  
 COMBUSTION IS UNCOMPLETE.

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SECTION 6 TOXICOLOGICAL PROPERTIES

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ROUTE OF ENTRY SKIN CONTACT Y/N YES  
 ROUTE OF ENTRY SKIN ABSORPTION Y/N YES  
 ROUTE OF ENTRY EYE CONTACT Y/N YES  
 ROUTE OF ENTRY INHALATION ACUTE Y/N YES  
 ROUTE OF ENTRY INHALATION CHRONIC Y/ NO  
 ROUTE OF ENTRY INGESTION Y/N NO  
 EFFECTS OF ACUTE EXPOSURE MAY CAUSE DIZZINESS, NAUSEA. IRRITATING TO  
 SKIN AND EYES.  
 EFFECTS OF CHRONIC EXPOSURE SOLVENTS MAY CAUSE DEFATTING DERMATITIS.  
 LD50/SPECIES/ROUTE OF ENTRY N. AP  
 IRRITANCY OF PRODUCT NON-IRRITANT  
 EXPOSURE LIMITS N. AP  
 LC50/SPECIES/ROUTE OF ENTRY N. AP  
 SENSITIZATION TO PRODUCT UNKNOWN  
 SYNERGISTIC MATERIALS NONE KNOWN  
 CARCINOGENICITY Y/N NONE  
 REPRODUCTIVE EFFECTS Y/N NONE  
 TERATOGENICITY Y/N NONE  
 MUTAGENICITY Y/N NONE

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SECTION 7 PREVENTIVE MEASURES

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PERSONAL PROTECTIVE EQUIPMENT N. AP  
 GLOVES (SPECIFY) N. AP  
 RESPIRATORY (SPECIFY) IF USED INDOORS, A CARTRIDGE TYPE RESPIRATOR  
 IS RECOMMENDED.  
 SAFETY GLASSES  
 EYE (SPECIFY)  
 FOOTWEAR (SPECIFY) N. AP  
 CLOTHING (SPECIFY) N. AP  
 OTHER (SPECIFY) N. AP  
 ENGINEERING CONTROLS LOCAL EXHAUST VENTILATION.  
 LEAK AND SPILL PROCEDURE REMOVE ALL SOURCES OF IGNITION. USE INERT  
 ABSORBANT MATERIALS AND NON-SPARKING TOOLS.  
 AVOID BREATHING FUMES. VENTILATE AREA.  
 PREVENT FROM ENTERING WATERWAYS.  
 WASTE DISPOSAL DISPOSE OF ACCORDING TO FEDERAL, PROVINCIAL  
 OR LOCAL REGULATIONS.  
 HANDLING PROCEDURES/EQUIPMENT STORE IN A COOL WELL VENTILATED AREA NOT TO  
 EXCEED 50 DEG. C.  
 STORAGE REQUIREMENTS DO NOT PUNCTURE IN INCINERATE CONTAINERS.  
 EVEN WHEN EMPTY.

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SECTION 8 FIRST AID MEASURES

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SKIN FLUSH EXPOSED SKIN WITH WATER.  
 EYE FLUSH EYES WITH PLENTY OF WATER. GET MEDICAL  
 ATTENTION.  
 INHALATION REMOVE PATIENT TO FRESH AIR.  
 INGESTION DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION  
 IMMEDIATELY.

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SECTION 9 - PREPARATION INFORMATION

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PREPARED BY S. KHAN.  
 REVISION DATE: SEPT. 1, 1991

N. AP= NOT APPLICABLE / N. AV= NOT AVAILABLE