

DEGIL SAFETY PRODUCTS		200 ZENWAY BLVD. UNIT 1		PH. 905-856-1511	
www.degilsafety.com		VAUGHAN, ON CANADA L4H 0L6		FAX. 905-856-1694	
SECTION ONE		PRODUCT IDENTIFICATION			
TRADE NAME	CROC BLOC INSECT REPELLENT LIQUID PUMP SPRAY			UPC CODE	
CHEMICAL FAMILY	N,N-DIETHYL m-TOLUAMIDE (DEET)			7 76285 12455 6	
PRODUCT USE	INSECT REPELLENT			Packaging	
MOLECULAR WEIGHT	NOT APPLICABLE			12 BOTTLES / BOX	
FORMULA	MIXTURE				
T.D.G. CLASSIFICATION	ISOPROPANOL SOLUTION, CLASS 3, UN 1219, PACKING GROUP II				
WHMIS CLASSIFICATION	NOT REGULATED				
HMIS RATING:	HEALTH	2 MODERATE HAZARD			
HMIS RATING:	FLAMMABILITY	2 MODERATE HAZARD			
HMIS RATING:	REACTIVITY	0 MINIMAL HAZARD			
SECTION TWO		COMPOSITION / INFORMATION INGREDIENTS			
Hazardous Ingredients	%	T.L.V.	C.A.S. #	LD/50, Route, Species	LC/50, Route, Species
ISOPROPANOL	30 - 60	400 ppm	67-63-0	>4720 mg/kg ORAL - RAT	12000 ppm (8hr) INHAL - RAT
N,N-DIETHYL m-TOLUAMIDE	30	N/A	134-62-3	2000 mg/kg ORAL - RAT	5950 mg/kg INHAL - RAT
SECTION THREE		HAZARDOUS IDENTIFICATION			
ROUTE OF ENTRY					
INGESTION		MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS			
INHALATION		INHALATION OF SOLVENTS MAY CAUSE IRRITATION			
EYE CONTACT		MAY CAUSE IRRITATION			
SKIN CONTACT		MAY CAUSE IRRITATION			
EFFECTS OF ACUTE EXPOSURE		DIZZINESS, NAUSEA, IRRITATION TO SKIN & EYES			
EFFECTS OF CHRONIC EXPOSURE		SOLVENTS MAY CAUSE DEFATTING DERMATITIS			
EXPOSURE LIMIT OF MATERIAL		SEE SECTION TWO			
SECTION FOUR		FIRST AID MEASURES			
EMERGENCY FIRST AID PROCEDURE		IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.			
SECTION FIVE		FIRE FIGHTING MEASURES			
AUTO IGNITION TEMPERATURE (° C)		399			
SPECIAL PROCEDURES		WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A FIRE INVOLVING THIS MATERIAL.			
FLAMMABILITY		CAUTION-FLAMMABLE			
IF YES, UNDER WHICH CONDITIONS		EXCESSIVE HEAT, SPARKS AND OPEN FLAME			
EXTINGUISHING MEDIA		WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM			
UPPER FLAMMABLE LIMIT		12	% BY VOLUME.		
LOWER FLAMMABLE LIMIT		2.0	% BY VOLUME.		
EXPLOSION DATA					
SENSITIVITY TO STATIC DISCHARGE		NOT APPLICABLE			
SENSITIVITY TO IMPACT		NOT APPLICABLE			
HAZARDOUS COMBUSTION PRODUCTS		HYDROCARBON FUMES AND SMOKE, CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.			
FLASH POINT (C), TAG CLOSED-CUP (CONCENTRATE)		>14			
SECTION SIX		ACCIDENTAL RELEASE MEASURES			
LEAK/SPILL		REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE			
SECTION SEVEN		HANDLING AND STORAGE			
STORAGE NEEDS		KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMS			
ENGINEERING CONTROLS		VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS)			
HANDLING PROCEDURES AND EQUIPMENT		STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.			
SYNERGISTIC MATERIALS		NONE KNOWN			
WASTE DISPOSAL		DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS			

SECTION EIGHT		EXPOSURE CONTROLS/PERSONAL PROTECTION
GLOVES		NOT NORMALLY REQUIRED
RESPIRATORY		NOT NORMALLY REQUIRED
EYE		SAFETY GLASSES
FOOTWEAR		NOT NORMALLY REQUIRED
OTHER		NOT REQUIRED
SECTION NINE		PHYSICAL AND CHEMICAL PROPERTIES
PHYSICAL STATE		LIQUID
APPEARANCE		CLEAR, PALE YELLOW LIQUID
ODOR		FRAGRANT
ODOR THRESHOLD		NOT AVAILABLE
BOILING POINT (° C)(CONC)		83
EVAPORATION RATE		LESS THAN 1
n-BUTYL ACETATE = 1		
VAPOUR DENSITY (AIR=1)		GREATER THAN 1
(BY WEIGHT)		
SOLUBILITY IN WATER g/L (20°C)		NOT AVAILABLE
pH		NOT APPLICABLE
SPECIFIC GRAVITY (LIQUID)		0.88 - 0.92
COEFFICIENT OF WATER/OIL DIST		NOT AVAILABLE
FREEZING POINT: (° C)		NOT AVAILABLE
AEROSOL PERCENT VOLATILE		69 - 70
(BY WEIGHT)		
SECTION TEN		STABILITY AND REACTIVITY
HAZARDOUS PRODUCTS OF DECOMPOSITION		HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE
CHEMICAL STABILITY		
YES		UNDER NORMAL CONDITIONS
NO, WHICH ONES?		NOT APPLICABLE
COMPATABILITY WITH OTHER SUBSTANCES - NO, WHICH ONES?		STRONG OXIDIZING AGENTS
REACTIVITY CONDITIONS?		NOT APPLICABLE
SECTION ELEVEN		TOXICOLOGICAL INFORMATION
REPRODUCTIVE EFFECTS		NO INFORMATION IS AVAILABLE AND NO ADVERSE RESPRODUCTIVE EFFECTS ARE ANTICIPATED.
IRRITANCY OF MATERIAL		SKIN/EYE IRRITANT
SENSITIZING CAPABILITY OF MATERIAL		UNKNOWN
CARCINOGENICITY OF MATERIAL		THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC, (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BYACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).
TERATOGENICITY		NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENICITY EFFECTS ARE ANTICIPATED.
MUTAGENICITY		NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.
SECTION SIXTEEN		ADDITIONAL INFORMATION
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