

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 3 IN 1 INSECT REPELLENT AEROSOL				UPC CODE
CHEMICAL FAMILY	MGK 264	MGK 326	N,N-DIETHYL m-TOLUAMIDE (DEET)		
PRODUCT USE	REPELLENT				Packaging
MOLECULAR WEIGHT	NOT AVAILABLE				24 CANS / CASE
FORMULA	MIXTURE				
CNFC SECTION 3 3.5	LEVEL 3				
NFPA CODE 30B	LEVEL 3				
T.D.G. CLASS	ORM-D CONSUMER COMMODITY				
WHMIS CLASSIFICATION	NOT APPLICABLE				
WHMIS RATING:	FLAMMABILITY	4 SEVERE HAZARD			
WHMIS RATING:	HEALTH	2 MODERATE HAZARD			
WHMIS 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
N,N-DIETHYL m-TOLUAMIDE	25	N/A	134-62-3	2000 mg/kg ORAL - RAT	5950 mg/kg INHAL - RAT
N-OCTLY BICLOHEPTANE DOCARBOXIMIDE	5	N/A	113-48-4	4980 mg/kg ORAL - RAT	4080 mg/kg INHAL - RAT
DI-N-PROPYL ISOCINCHOMERATE	2.5	N/A	136-45-8	5120 mg/kg ORAL - RAT	6.08 mg/kg INHAL - RAT
ISOPROPYL PALIMATE	1 - 5	N/A	142-91-6	5 mg/kg	NOT AVAILABLE
ISOPROPANOL	30 - 60	400ppm	67-63-0	>4720mg/kg ORAL - RAT	12000ppm (8hr) INHAL - RAT
ISOBUTANE	10 - 30	800ppm	75-28-5	NOT AVAILABLE	142500 ppm (2hr) INHAL - RAT
PROPANE	1 - 5	1000ppm	74-98-6	NOT AVAILABLE	NOT AVAILABLE
SECTION THREE		PHYSICAL DATA			
PHYSICAL STATE			AEROSOL		
APPEARANCE			CLEAR - PALE YELLOW		
ODOR			ALCOHOL		
ODOR THRESHOLD			NOT AVAILABLE		
BOILING POINT (° C)(CONC)			83 to 171		
EVAPORATION RATE			GREATER THAN 1		
VAPOUR PRESSURE			(PSIG) AEROSOL 40 - 50 @ 20° C		
VAPOUR DENSITY (AIR=1)			GREATER THAN 1		
AEROSOL % VOC (w/w)			64 - 65		
AEROSOL % VOLATILE			64 - 65		
SOLUBILITY IN WATER			NOT AVAILABLE		
pH			NOT APPLICABLE		
SPECIFIC GRAVITY (LIQUID)			0.85 - 0.89		
SPECIFIC GRAVITY (AEROSOL)			0.75 - 0.79		
COEFFICIENT OF WATER/OIL DIST			NOT AVAILABLE		
FREEZING POINT: (° C)			NOT AVAILABLE		
SECTION FOUR		FIRE & EXPLOSION HAZARD DATA			
AEROSOL FLAME PROJECTION			> 45cm		
FLASHBACK			NONE		
FLAMMABILITY			EXTREMELY FLAMMABLE		
IF YES, UNDER WHICH CONDITIONS			EXCESSIVE HEAT, SPARKS AND OPEN FLAME		
AUTO IGNITION TEMPERATURE (° C)			399		
EXTINGUISHING MEDIUM			CARBON DIOXIDE, DRY CHEMICAL, FOAM		
UPPER FLAMMABLE LIMIT			12.0 (% BY VOLUME)		
LOWER FLAMMABLE LIMIT			1.9 (% 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) (CONCENTRATE)			TAG CLOSED 14 CUP		
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.		

SECTION FIVE STABILITY AND REACTIVITY	
HAZARDOUS PRODUCTS OF DECOMPOSITION	HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHEN COMBUSTION IS INCOMPLETE
CHEMICAL STABILITY	YES UNDER NORMAL CONDITIONS
COMPATABILITY WITH OTHER SUBSTANCES - NO, WHICH ONES?	STRONG OXIDIZING AGENTS
REACTIVITY CONDITIONS?	NOT APPLICABLE
SECTION SIX HEALTH DATA	
ROUTE OF ENTRY	
INGESTION	MAY CAUSE HEADACHE, NAUSEA, VOMITING & WEAKNESS
INHALATION	INHALATION OF SOLVENTS MAY CAUSE IRRITATION. PROPELLENT IS SIMPLE ASPHYXIAN
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
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 BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).
REPRODUCTIVE EFFECTS	NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE ANTICIPATED.
IRRITANCY OF MATERIAL	SKIN / EYE IRRITANT
TERATOGENICITY	NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENICITY EFFECTS ARE ANTICIPATED.
MUTAGENICITY	NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.
SYNERGISTIC MATERIALS	NONE KNOWN
SECTION SEVEN EXPOSURE CONTROLS/PERSONAL PROTECTION	
GLOVES	CHEMICAL RESISTANT GLOVES
RESPIRATORY	IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHA TC-23C OR EQUIVALENT) IS RECOMMENDED.
EYE	SAFETY GLASSES
ENGINEERING CONTROLS	VENTILATION - LOCAL (MECHANICAL IF INDOORS ON A CONTINUOUS BASIS)
FOOTWEAR	NOT NORMALLY REQUIRED
OTHER	NOT REQUIRED
SECTION EIGHT HANDLING AND STORAGE	
LEAK / SPILL	REMOVE ALL SOURCES OF IGNITION, USE AN INERT ABSORBENT MATERIAL AND NON - SPARKING TOOLS. AVOID BREATHING FUMES, VENTILATE AREA
STORAGE NEEDS	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES
HANDLING PROCEDURES AND EQUIPMENT	STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
SHIPPING INSTRUCTIONS	SEE SECTION ONE TDG CLASSIFICATION
WASTE DISPOSAL	DO NOT PUNCTURE OR INCINERATE PACKAGES EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS
SECTION NINE 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 TEN ADDITIONAL INFORMATION	
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