

MATERIAL SAFETY DATA SHEET

MANUFACTURER

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EMERGENCY INFORMATION

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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: REPEL

GENERAL/GENERIC ID: GARLIC OIL

DOT SHIPPING CLASS: 70

HAZARD CLASSIFICATION: Health-1 , Fire-0 , Reactivity-0

HAZARD CLASSIFICATION KEY : 0-least, 1-slight, 2-moderate, 3-high, 4-extreme

SECTION II -HAZARDOUS INGREDIENTS

EXPOSURE LIMITS, PPM

OSHA ACGIH OTHER

COMPONENT	%BY WT.	CAS #	PEL	TLV	LIMIT
-----NONE-----					

(* INDICATES HAZARDOUS INGREDIENTS WHICH ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. THE CHEMICAL NAME, CAS# AND PERCENT BY WEIGHT INFORMATION MUST BE INCLUDED IN ALL MSDS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F): 212	VAPOR PRESSURE (mm Hg): N/A
SOLUBILITY (in water): COMPLETE	EVAPORATION RATE: N/A
pH OF CONCENTRATE: 6.1-6.4	SPECIFIC GRAVITY: 1.14
VAPOR DENSITY (air=1): N/A	

APPEARANCE AND ODOR: PINK LIQUID, STRONG GARLIC ODOR

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (F): NONE
FLAMMABLE LIMITS: N/A
LEL: N/A
VEL: N/A
EXTINGUISHING MEDIA: WATER, WATER FOG OR FOAM.
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE & EXPLOSION HAZARDS: NONE

SECTION V - REACTIVITY DATA

STABILITY: PRODUCT IS STABLE.	CONDITIONS TO AVOID: NONE
MATERIALS TO AVOID: STRONG ACIDS OR ALKALI AND STRONG OXIDIZERS.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON MONOXIDE AND CARBON DIOXIDE.	
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR	CONDITIONS TO AVOID: NONE

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: **INHALATION:** NO **SKIN:** NO **INGESTION:** UNLIKELY

HEALTH HAZARDS (ACUTE & CHRONIC): EYE CONTACT MAY CAUSE IRRITATION. PROLONGED CONTACT WITH SKIN MAY CAUSE IRRITATION OR DERMATITIS IN SENSITIVE INDIVIDUALS.

CARCINOGENICITY: NTP: NO **IARC MONOGRAPHS:** NO **OSHA REGULATED:** NO

SIGNS AND SYMPTOMS OF EXPOSURE: EYE IRRITATION. DRY AND/OR RED ITCHY SKIN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: DO NOT INDUCE VOMITING, CONTACT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY OFFER SMALL AMOUNTS OF WATER OR MILK.

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL STEPS: CONTAIN SPILL AND RECOVER PRODUCT FOR USE OR DISPOSAL.

WASTE DISPOSAL METHOD: IF PRODUCT CAN NOT BE DISPOSED OF ACCORDING TO USE DIRECTIONS ON LABEL, DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

STORAGE & HANDLING: STORE IN A COOL DRY AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: If mist/fume conditions should be present use respirator approved by NIOSH.

VENTILATION: Pour in well ventilated area will omit a strong Garlic Odor

LOCAL EXHAUST: ADEQUATE AIR FLOW

SPECIAL: N/A

MECHANICAL: N/A

OTHER: N/A

PROTECTIVE GLOVES: RUBBER OR NEOPRENE

EYE PROTECTION: GOGGLES OR FACE SHIELD.

PROTECTIVE EQUIP/CLOTHING: AS REQUIRED TO PREVENT SKIN CONTACT.

WORK/HYGIENIC PRACTICES: IF SPILL OCCURS ON CLOTHING, WASH ALL CLOTHING BEFORE COMING INTO CONTACT WITH SKIN. WASH ALL EXPOSED SKIN SURFACES WITH SOAP AND WATER AFTER USING THIS PRODUCT.

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