

REPORT NUMBER: 971
MSDS NO: P11728VS
EFFECTIVE DATE: 02/27/92

VAN WATERS & ROGERS INC.
MATERIAL SAFETY DATA SHEET

#07007 PAGE: 001

VERSION: 001

PRODUCT: **AVERT 310**

ORDER NO:
PROD NO :

<input type="radio"/> H	CHEMICAL NAME
<input type="radio"/> F	AVERT 310
<input type="radio"/> I	MANUFACTURER
<input type="radio"/> PE	VAN Waters & Rogers
	DATE
	MSDS 17007

Lab Safety Supply Inc.

Reorder No. 17135

VAN WATERS & ROGERS INC. , SUBSIDIARY OF UNIVAR (206)889-3400
5100 CARILLON POINT , KIRKLAND , WA 98033

----- EMERGENCY ASSISTANCE -----

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL - CHEMTREC
(800)424-9300

----- FOR PRODUCT AND SALES INFORMATION -----

CONTACT YOUR LOCAL VAN WATERS & ROGERS BRANCH OFFICE AT
VW&R CHICAGO OFFICE 708-757-7450 CHICAGO HGTS, IL

PRODUCT IDENTIFICATION

PRODUCT NAME: AVERT 310

MSDS #: P11728VS

DATE ISSUED: 09/05/91

MANUFACTURER'S MSDS

MATERIAL SAFETY DATA SHEET

WHITMIRE RESEARCH LABORATORIES, INC.
3568 TREE COURT IND. BLVD.
ST. LOUIS, MO 63122
(314) 225-5371 (8:00 a.m. TO 5:00 p.m. CST)
(314) 576-0120 AFTER HOURS EMERGENCY PHONE NUMBER
(314) 424-9300 CHEMTREC

EFFECTIVE DATE: SEPTEMBER 5, 1991

TRADE NAME: WHITMIRE AVERT(TM) CRACK AND CREVICE(R) BAIT PRESCRIPTION

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TREATMENT(R) 310

DESCRIPTION: INSECTICIDE BAIT

PA REG. NO.: 499-294

SECTION 1 HAZARDOUS INGREDIENTS

INGREDIENTS:	%	TLV/PEL	CAS #
ivermectin B1	0.05	*40 mcg/M3	65195-55-3
A mixture of avermectins containing 80% ivermectin B1(a) (5-O-demethyl ivermectin A1a and 20% ivermectin B1b (5-O-demethyl-25-de(1-methylpropyl)-5- (1-methylethyl) ivermectin			

Merck's exposure control limit

SECTION 2 PHYSICAL DATA

BOILING POINT: N/A
BULK DENSITY: 42 lbs./ft.3
VAPOR PRESSURE: N/A
PERCENT VOLATILE: 5.5%
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: BROWN DUST WITH MILD ODOR.

SECTION 3 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LIMITS: N/E LEL: 0.130 oz./ft.3 UEL: NE
EXTINGUISHING METHOD: CO2; DRY CHEMICAL

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SPECIAL FIRE FIGHTING PROCEDURES: AVOID CREATING SIGNIFICANT AIRBORNE DUST. RESPIRATORY PRODUCT IS RECOMMENDED FOR FIRE FIGHTERS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CAN FORM AN EXPLOSIVE MIXTURE IN AIR IF LOWER EXPLOSIVE LIMIT IS MET.

SECTION 4 HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION ? SKIN ? INGESTION ?
 Primary Tertiary Secondary

HEALTH HAZARD (ACUTE AND CHRONIC) - SIGNS AND SYMPTOMS OF EXPOSURE:

EYE: MAY CAUSE SOME REVERSIBLE EYE IRRITATION. CAUSED SLIGHT CONJUNCTIVAL IRRITATION IN ALBINO RABBITS REVERSIBLE IN SEVEN DAYS. CAUSED A DULL PUPIL REFLEX IN ALBINO RABBITS REVERSIBLE IN THREE DAYS.

SKIN: NON-IRRITATING TO SKIN. PRIMARY IRRITATION INDEX = 0.00 FOR ALBINO RABBITS.

ACUTE DERMAL TOXICITY = LD50 IS GREATER THAN 2000-MG/KG IN ALBINO RABBITS. GUINEA PIG DERMAL SENSITIZATION STUDY SHOWED MATERIAL IS NOT A PRIMARY SKIN IRRITANT, FATIGUING AGENT OR SKIN SENSITIZER.

INGESTION: ACUTE ORAL TOXICITY LD50 IS GREATER THAN 5000 MG/KG IN ALBINO RATS. ACUTE AND CHRONIC HEALTH EFFECTS IN HUMANS IS UNKNOWN. ABAMECTIN IS HIGHLY TOXIC VIA INGESTION IN ANIMAL STUDIES, CAUSING CENTRAL NERVOUS SYSTEM EFFECTS.

INHALATION: ANIMAL STUDIES DEMONSTRATED A LOW ODOR OF TOXICITY VIA INHALATION OF ABAMECTIN.

CARCINOGENICITY: NTP ? IARC MONOGRAPH ? OSHA REGULATED ?
 NO NO NO

EMERGENCY AND FIRST AID PROCEDURES:

IF SWALLOWED: DRINK 1 OR 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING BACK OF THROAT WITH FINGER. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

IF INHALED: REMOVE PATIENT TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF INDICATED. SEEK MEDICAL ATTENTION.

IF ON SKIN: WASH WITH SOAP AND WARM WATER. SEEK MEDICAL ATTENTION IF

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IRRITATION PERSISTS.

IF IN EYES: FLUSH WITH PLENTY OF WATER. SEEK MEDICAL ATTENTION IF
IRRITATION PERSISTS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN

SECTION 5 REACTIVITY DATA

STABILITY: INDEFINITE

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY (MATERIALS TO AVOID): ABAMECTIN CAN BE HYDROLYZED BY
STRONG CAUSTIC SOLUTION.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION IN OPEN FLAME
CREATES TOXIC GASES (INCLUDING CO AND CO2), TOXIC DUST AND SMOKE MAY BE
GENERATED.

HAZARDOUS POLYMERIZATION: NONE KNOWN

SECTION 6 SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SPILLED MATERIAL
SHOULD BE CAREFULLY COLLECTED AND CONTAINERIZED IN A MANNER THAT PRODUCES
THE LEAST AMOUNT OF AIRBORNE DUST. SUITABLE PROTECTIVE EQUIPMENT SHOULD BE
WORN DURING ANY SPILL CLEAN-UP OPERATION. RESIDUAL SURFACE MATERIAL MAY BE
REMOVED WITH TOWELS MOISTENED WITH METHANOL.

EMERGENCY TELEPHONE NUMBER OF CHEMTREC (800) 424-9300 (FOR TRANSPORTATION
SPILLS)

WASTE DISPOSAL METHOD: WASTES RESULTING FROM THE USE OF THIS PRODUCT MAY BE
DISPOSED OF ON SITE AT AN APPROVED WASTE DISPOSAL FACILITY. DO NOT
CONTAMINATE WATER, FOOD OR FEED BY DISPOSAL. OFFER CONTAINER FOR RECYCLING
OR RECONDITIONING, OR PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL OR
INCINERATION, OR IF ALLOWED BY STATE AND LOCAL AUTHORITIES BY BURNING. IF
BURNED STAY OUT OF SMOKE.

SECTION 7 SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION: WHEN HANDLING BULK MATERIAL WEAR A DUST MASK OR RESPIRATOR. NOT REQUIRED WHEN APPLYING FINISHED PRODUCT IN CRACK AND CREVICE FASHION.

VENTILATION: LOCAL EXHAUST: LOCAL EXHAUST VENTILATION MUST BE PROVIDED WHERE DUST MAY ENTER THE WORK ROOM ENVIRONMENT.
MECHANICAL: NONE REQUIRED
SPECIAL: CONTAINMENT AREAS SHOULD HAVE DEDICATED EXHAUST AND DUST COLLECTION SYSTEMS (HEPA FILTERS OR COLLECTORS)
OTHER: NONE REQUIRED

PROTECTIVE GLOVES: IMPERVIOUS CHEMICAL GLOVES ARE REQUIRED WHEN HANDLING BULK MATERIAL.

EYE PROTECTION: CHEMICAL GOGGLES ARE RECOMMENDED FOR DIRECT EXPOSURE.

OTHER PROTECTIVE EQUIPMENT: FULL BODY GARMENTS ARE RECOMMENDED FOR HANDLING BULK MATERIAL.

SECTION 8 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT CONTAMINATE FEED OR FOOD PRODUCTS OR FOOD PREPARATION SURFACES, DISHES, KITCHEN UTENSILS AND FOOD CONTAINERS.

OTHER PRECAUTIONS: ALWAYS WASH HANDS THOROUGHLY WITH SOAP AND WATER PRIOR TO EATING, DRINKING, OR SMOKING. WASH ALL CONTAMINATED CLOTHING THOROUGHLY.

SECTION 9 HEALTH RATING INFORMATION (NFPA)

HEALTH - 1
FLAMMABILITY - 0
REACTIVITY - 1

SECTION 10 SARA TITLE III/SECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT CONTAINS THE FOLLOWING 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:

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CAS # CHEMICAL NAME % BY WEIGHT

THIS PRODUCT CONTAINS NO SECTION 313 CHEMICALS

SECTION 11 DOT SHIPPING INFORMATION

PROPER SHIPPING NAME: CONSUMER COMMODITY

HAZARD CLASS: DRM-D

P/N 19-0310-A

NA - NOT APPLICABLE
NE - NOT ESTABLISHED

PREPARED BY: MICHAEL G. SARLI
JURL0131

