

REPORT NUMBER: 971
DS NO: P4559

VAN WATERS & ROGERS INC.
MATERIAL SAFETY DATA SHEET

PAGE: 001

#07001

VERSION: 006

KNOX OUT(R) 2FM INSECTICIDE

EFFECTIVE DATE: 12/17/90

ORDER NO:
PROD NO :

H F 0 PE	CHEMICAL NAME	Knox out
	MANUFACTURER	VAN WATERS & ROGERS
	DATE	MSDS 07001

Lab Safety Supply Inc.

Reorder No. 17135

VAN WATERS & ROGERS
6100 CARILLON POINT

, SUBSIDIARY OF UNIVAR
, KIRKLAND

(206)889-3400
, 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: KNOX OUT(R) 2FM INSECTICIDE CAS NO.: UNASSIGNED
EPA REG. NO. 4581-335-499

COMMON NAMES/SYNONYMS: DIAZINON VW&R CODE: P4559

FORMULA: MIXTURE DATE ISSUED: 08/89
HAZARD RATING (NFPA 704 CRITERIA) SUPERCEDES: 07/89

HEALTH: 1
FIRE: 0
REACTIVITY: 0
SPECIAL: NONE

HAZARD RATING SCALE:
0=MINIMAL 3=SERIOUS
1=SLIGHT 4=SEVERE
2=MODERATE

-----HAZARDOUS INGREDIENTS-----

COMPONENT	CAS NO.	%	EXPOSURE LIMITS, MG/M3			HAZARD
			OSHA PEL	ACGIH TLV	OTHER LIMIT	
DIAZINON	333-41-5	23	0.1	0.1	NONE	TOXIC
WATER	7732-18-5	UNK	NONE	NONE	NONE	NONE
OTHERS	TRADE SECRET	UNK	NONE	NONE	NONE	NONE

(R) TRADEMARK OF PENNWALT CORPORATION.

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-----PHYSICAL PROPERTIES-----

BOILING POINT, DEG F: 212 VAPOR PRESSURE, MM HG/20 DEG C: N/D
MELTING POINT, DEG F: NOT APPLICABLE VAPOR DENSITY (AIR=1): N/D
SPECIFIC GRAVITY (WATER=1): 1.036 WATER SOLUBILITY, %: DISPERSES
APPEARANCE AND ODOR: EVAPORATION RATE (BUTYL ACETATE=1): 1
BEIGE LIQUID; CHARACTERISTIC ODOR

-----FIRST AID MEASURES-----

IF INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER EYELIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

IN CASE OF SKIN CONTACT: IMMEDIATELY WASH SKIN WITH LOTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; WASH BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS AFTER WASHING.

IF SWALLOWED: IF CONSCIOUS, IMMEDIATELY INDUCE VOMITING BY GIVING 2 GLASSES OF WATER AND STICKING A FINGER DOWN THE THROAT. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

-----HEALTH HAZARD INFORMATION-----

PRIMARY ROUTES OF EXPOSURE: INHALATION, SWALLOWED, SKIN OR EYE CONTACT.

SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: NONE CURRENTLY KNOWN.

EYE CONTACT: LIQUID AND MIST MAY IRRITATE THE EYES.

SKIN CONTACT: NO IRRITATION IS LIKELY AFTER BRIEF CONTACT BUT MAY BE IRRITATING AFTER PROLONGED CONTACT.

SWALLOWED: SWALLOWING LARGE QUANTITIES CAUSES DIZZINESS, WEAKNESS, COORDINATION, MUSCLE TWITCHING, TREMOR, ABDOMINAL CRAMPS, DIARRHEA, VOMITING, HEADACHES, NAUSEA, VOMITING, AND PERHAPS UNCONSCIOUSNESS.

NOTE TO PHYSICIAN: ATROPINE IS ANTIDOTAL ONLY IF SYMPTOMS OF CHOLINESTERASE INHALATION ARE PRESENT. MORPHINE IS CONTRAINDICATED.

CHRONIC EFFECTS OF EXPOSURE: NO SPECIFIC INFORMATION AVAILABLE.

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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE REPORTED.

-----TOXICITY DATA-----

ORAL: RAT LD50 > 21 G/KG

DERMAL: RABBIT LD50 > 10 G/KG

INHALATION: RAT LC50 > 22.42 MG/L/1 HR

MUTAGENICITY: THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN
BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR
RESEARCH ON CANCER, OR THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

OTHER DATA: NONE

-----PERSONAL PROTECTION-----

VENTILATION: GENERAL ROOM VENTILATION, UNLESS USE CONDITIONS GENERATE MIST.
IN THAT CASE, PROVIDE ADEQUATE VENTILATION TO MAINTAIN EMISSIONS BELOW THE
TLV.

RESPIRATORY PROTECTION: WEAR A NIOSH-APPROVED RESPIRATOR APPROPRIATE
FOR THE VAPOR OR MIST CONCENTRATION AT THE POINT OF USE. APPROPRIATE
RESPIRATORY PROTECTION: A RESPIRATOR IS NORMALLY NOT REQUIRED IF THIS
PRODUCT IS USED WITH ADEQUATE VENTILATION.

EYE PROTECTION: CHEMICAL GOGGLES UNLESS A FULL FACEPIECE RESPIRATOR IS
ALSO WORN IF USE CONDITIONS GENERATE MISTS. IT IS GENERALLY RECOGNIZED
THAT CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH CHEMICALS BECAUSE
CONTACT LENSES MAY CONTRIBUTE TO THE SEVERITY OF AN EYE INJURY.

PROTECTIVE CLOTHING: LONG-SLEEVED SHIRT, TROUSERS, SAFETY SHOES, RUBBER
GLOVES, AND RUBBER APRON.

OTHER PROTECTIVE MEASURES: AN EYEWASH AND SAFETY SHOWER SHOULD BE
NEARBY AND READY FOR USE.

-----FIRE AND EXPLOSION INFORMATION-----

FLASH POINT, DEG F: > 205

FLAMMABLE LIMITS IN AIR, %

METHOD USED: TCC

LOWER: N/D UPPER: N/D

EXTINGUISHING MEDIA: USE WATER SPRAY, DRY CHEMICAL, CO2, OR ALCOHOL

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR SELF-
CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER

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SPRAY TO COOL NEARBY CONTAINERS AND STRUCTURES EXPOSED TO FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTINGUISH ALL NEARBY SOURCES OF IGNITION.

-----HAZARDOUS REACTIVITY-----

STABILITY: STABLE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: OPEN FLAMES, WELDING ARCS, OR OTHER HIGH TEMPERATURE SOURCES WHICH MAY INDUCE THERMAL DECOMPOSITION.

MATERIALS TO AVOID: ACIDS, OXIDIZING MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY LIBERATE CARBON MONOXIDE OR CARBON DIOXIDE.

-----SPILL, LEAK, AND DISPOSAL PROCEDURES-----

ACTION TO TAKE FOR SPILLS OR LEAKS: FOR SMALL SPILLS OR DRIPS, MOP OR WIPE UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS; OR ABSORB WITH NON-COMBUSTIBLE SORBENT MATERIAL, PLACE RESIDUE IN DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS, AND SOILS. COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATIONS ON SPILL REPORTING, AND HANDLING AND DISPOSAL OF WASTE.

DISPOSAL METHODS: DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.

NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES, GASES AND MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

-----SPECIAL PRECAUTIONS-----

STORAGE AND HANDLING PRECAUTIONS: STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT USE PRESSURE TO EMPTY CONTAINER. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

REPAIR AND MAINTENANCE PRECAUTIONS: DO NOT CUT, GRIND, WELD, OR DRILL OR NEAR THIS CONTAINER.

OTHER PRECAUTIONS: CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

-----REVISIONS-----

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07/89: ADDED OTHER REGULATORY INFORMATION.

-----REVISION-----

08/89: CHANGED HEADING AND CONTACT INFORMATION.

-----FOR ADDITIONAL INFORMATION-----

CONTACT: MSDS COORDINATOR V&R CHICAGO OFFICE
DURING BUSINESS HOURS, PACIFIC TIME (206)889-3400

11/22/91 09:14 PRODUCT: CUST NO: ORDER NO:

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