

REPORT NUMBER: 971
MSDS NO: P7622

VAN WATERS & ROGERS INC.
MATERIAL SAFETY DATA SHEET

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#29921

VERSION: 004

ULTREEN

EFFECTIVE DATE: 03/08/91

ORDER NO:
PROD NO:

VAN WATERS & ROGERS
1600 NORTON BUILDING

SUBSIDIARY OF UNIVAR
SEATTLE

(408)435-8700
WA 98104

-----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
VWR KENT OFFICE 206-872-5000 KENT WA

-----PRODUCT IDENTIFICATION-----

PRODUCT NAME: ULTREEN

CAS NO.: UNASSIGNED

COMMON NAMES/SYNONYMS: NONE

MSDS #: P7622

FORMULA: MIXTURE

DATE ISSUED: 03/91

MOLECULAR WEIGHT: NOT APPLICABLE

SUPERCEDES: 11/90

HAZARD RATING (NFPA 704 CRITERIA)

HMIS RATING

HEALTH: 1

HAZARD RATING SCALE:

HEALTH: 1

FIRE: 2

0=MINIMAL 3=SERIOUS

FIRE: 2

REACTIVITY: 0

1=SLIGHT 4=SEVERE

REACTIVITY: 0

SPECIAL: NONE

2=MODERATE

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

EXPOSURE LIMITS, PPM
OSHA ACGIH OTHER

COMPONENT	CAS NO.	%	EXPOSURE LIMITS, PPM			HAZARD
			PEL	TLV	LIMIT	
MIXED HYDROCARBON	UNREPORTED	UNREPORTED	NONE	NONE	NONE	COMBUSTIBLE

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GLYCOL ETHER UNREPORTED BALANCE NONE NONE NONE NONE

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

BOILING POINT, DEG F: IBP 348 VAPOR PRESSURE, MM HG/20 DEG C: 9.2 CALC.

PHI NO DATA FOUND

MELTING POINT, DEG F: NOT APPLICABLE VAPOR DENSITY (AIR=1): 5.1 CALC.
SPECIFIC GRAVITY (WATER=1): 0.77 CALC. WATER SOLUBILITY, X: NEGLIGIBLE
APPEARANCE AND ODOR: EVAPORATION RATE (BUTYL ACETATE=1): <1 EST.
CLEAR WATER-WHITE LIQUID;
HYDROCARBON ODOR.

: VOLATILE (BY VOLUME): 100

-----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: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS SPONTANEOUSLY, KEEP VICTIM'S HEAD BELOW HIS HIPS TO PREVENT HIS BREATHING THE VOMITUS INTO HIS LUNGS.

NOTES TO PHYSICIAN: NONE

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

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

SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: VAPORS AND MISTS IRRITATE THE NOSE AND THROAT. INHALATION OF HIGHER CONCENTRATIONS MAY CAUSE HEADACHES, NAUSEA, VOMITING, AND COMA. INHALATION OF VERY HIGH CONCENTRATIONS OR PROLONGED EXPOSURE MAY CAUSE UNCONSCIOUSNESS OR DEATH.

EYE CONTACT: LIQUID AND MIST MAY IRRITATE THE EYES.

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SKIN CONTACT: BRIEF CONTACT MAY DRY THE SKIN. PROLONGED OR REPEATED CONTACT MAY IRRITATE THE SKIN, CAUSING DERMATITIS.

SWALLOWED: SWALLOWING THE LIQUID MAY RESULT IN VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, DO NOT ALLOW VOMITUS TO BE BREATHED INTO THE LUNGS AS EVEN A SMALL QUANTITY IN THE LUNGS MAY RESULT IN CHEMICAL PNEUMONITIS AND PULMONARY EDEMA/HEMORRHAGE.

CHRONIC EFFECTS OF EXPOSURE: NO SPECIFIC INFORMATION AVAILABLE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PRE-EXISTING DERMATITIS MAYBE AGGRAVATED.

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

ORAL: NO DATA FOUND

DERMAL: NO DATA FOUND

INHALATION: NO DATA FOUND

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: LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MINIMIZING EMISSIONS AT THE POINT OF USE.

RESPIRATORY PROTECTION: WEAR A NIOSH-APPROVED RESPIRATOR APPROPRIATE FOR THE VAPOR OR MIST CONCENTRATION AT THE POINT OF USE. APPROPRIATE RESPIRATORS MAY BE A FULL FACEPIECE OR A HALF MASK AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED FOR ORGANIC VAPORS/MISTS, A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE, OR A SUPPLIED-AIR RESPIRATOR.

EYE PROTECTION: CHEMICAL GOGGLES UNLESS A FULL FACEPIECE RESPIRATOR IS ALSO WORN. 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.

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

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

FLASH POINT, DEG F: 102
METHOD USED: TCC
EXTINGUISHING MEDIA: USE WATER SPRAY, DRY CHEMICAL, CO2, OR ALCOHOL

FLAMMABLE LIMITS IN AIR, %
LOWER: 0.7 UPPER: 7.0

AUTOIGNITION TEMPERATURE, DEG.F: NO DATA FOUND

FOAM. DO NOT USE A DIRECT WATER STREAM.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS AND STRUCTURES EXPOSED TO FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTINGUISH ALL NEARBY SOURCES OF IGNITION. LIQUID GIVES OFF INVISIBLE VAPORS AND MAY SETTLE IN LOW AREAS OR TRAVEL ALONG THE GROUND OR SURFACE TO IGNITION SOURCES WHERE THEY MAY IGNITE OR EXPLODE.

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

STABILITY: STABLE
POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HEAT, SPARKS, AND OPEN FLAMES.

MATERIALS TO AVOID: STRONG OXIDIZERS.

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

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

ACTION TO TAKE FOR SPILLS OR LEAKS: WEAR PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS, RUBBER GLOVES, RUBBER APRON, AND A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE OR A SUPPLIED-AIR RESPIRATOR. IF THE SPILL OR LEAK IS SMALL, A FULL FACEPIECE AIR-PURIFYING CARTRIDGE RESPIRATOR EQUIPPED FOR ORGANIC VAPORS MAY BE SATISFACTORY. IN ANY EVENT, ALWAYS WEAR EYE PROTECTION. EXTINGUISH ALL IGNITION SOURCES AND ENSURE THAT ALL HANDLING EQUIPMENT IS ELECTRICALLY GROUNDED. FOR SMALL SPILLS OR DRIPS, MOP OR WIPE UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. FOR LARGE SPILLS, CONTAIN BY DIKING WITH SOIL OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIALS AND THEN PUMP INTO DOT-APPROVED WASTE CONTAINERS; OR ABSORB WITH NON-COMBUSTIBLE ADSORBENT MATERIAL. PLACE RESIDUE IN DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF

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SEWERS, STORM DRAINS, SURFACE WATERS, AND SOIL.
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-----

HANDLING AND STORAGE PRECAUTIONS: KEEP AWAY FROM HEAT, SPARKS, AND
FLAMES. STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOM-
PATIBLE MATERIALS. VENT CONTAINER FREQUENTLY, AND MORE OFTEN IN WARM
WEATHER, TO RELIEVE PRESSURE. ELECTRICALLY GROUND ALL EQUIPMENT WHEN
HANDLING THIS PRODUCT AND USE ONLY NON-SPARKING TOOLS. 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
ON 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.

-----ECOLOGICAL INFORMATION SECTION-----

NO DATA FOUND

-----OTHER REGULATORY INFORMATION-----

SECTION 313: NONE

PROPOSITION 65: NONE

SECTION 313 & PROP. 65: NONE

SECTION 313 (WITH CHEMICALS LISTED): NONE

PROPOSITION 65 (WITH CHEMICALS LISTED): NONE

MASSACHUSETTS: NONE

PENNSYLVANIA: NONE

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CALIFORNIA SCAQMD: Rule 413.1 VOC's

VOC: No Data Available

VAPOR PRESSURE: No Data Available

(TSCA) THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY.

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REVISIONS

1/90: ADDED: MOLECULAR WEIGHT, HMIS NOTE TO PHYSICIAN, AUTOIGNITION TEMPERATURE, PH, % VOLATILE, ECOLOGICAL INFORMATION, REGULATORY INFORMATION 313, PROP 65, MASSACHUSETTS, PENNSYLVANIA, VOC, TSCA).

REVISD: SYNONYM, HAZARDOUS INGREDIENTS

3/91: REVISED: COMPONENT AND CAS NO.

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

CONTACT: MSOS COORDINATOR VW&R KENT OFFICE
 DURING BUSINESS HOURS, PACIFIC TIME (408)435-8700

04/15/91 11:27 PRODUCT: CUST NO: ORDER NO:

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