

1FID: 00309769
VER DATE: 1993-02-01

C H E M I S T R I
MATERIAL SAFETY DATA SHEET

DATE: 10/22/02
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SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: ULTREEN 144
ALL SYNONYMS : CASSETTE CLEANER
GOODWRENCH CASSETTE CLEANER
P14079
ULTREEN 144
12344600
144 ULTREEN

SAFE USE CATEGORY AND DESCRIPTION: 03 -SOLVENTS - FLASH POINT: > 100 F

LAST UPDATED DATE: 1993-02-01

MANUFACTURER'S ID (MID): 000551927
MANUFACTURER'S NAME: ALLSOP INC
MANUFACTURER'S MAILING ADDRESS:

P.O. BOX 23
BELLINGHAM WA 98227
US

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
989951190	> 95.0000/ 0.0000%	W	ISOPARAFFINIC HYDROCARBONS
989982167	< 0.0000/ 4.0000%	W	DIPROPYLENE GLYCOL ETHER

SECTION 2 - OTHER INFORMATION: THE CAS #'S ARE CONSIDERED PROPRIETARY AND THEREFORE WILL NOT BE DISCLOSED.

THRESHOLD LIMIT VALUE: 300 PPM.

PERMISSIBLE EXPOSURE LIMIT: 300 PPM.

SECTION 03: HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - SKIN: PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION OR DERMATITIS. SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS CONDITION. PROLONGED EXPOSURE MAY RESULT IN THE MATERIAL BEING ABSORBED IN HARMFUL AMOUNTS. THE LIQUID MAY CAUSE A BURNING SENSATION AND ITCHINESS AT SITE OF CONTACT. EXPOSURE TO LARGE AMOUNTS MAY PRODUCE ANESTHETIC OR NARCOTIC EFFECTS.

EFFECTS OF OVEREXPOSURE - EYE: MAY CAUSE EYE IRRITATION OR CORNEAL INJURY.

EFFECTS OF OVEREXPOSURE - INHALATION: EXCESSIVE EXPOSURE MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. SIGNS AND SYMPTOMS OF EXCESSIVE EXPOSURE MAY BE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND PERHAPS DEATH.

EFFECTS OF OVEREXPOSURE - INGESTION: SMALL AMOUNTS SWALLOWED INCIDENTAL TO NORMAL HANDLING OPERATIONS ARE NOT LIKELY TO CAUSE INJURY;

SWALLOWING AMOUNTS LARGER THAN THAT MAY CAUSE INJURY. SMALL AMOUNTS OF THIS PRODUCT ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY, POSSIBLY LEADING TO DEATH.

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN IF IRRITATION PERSISTS. WASH CLOTHING BEFORE REUSE. DESTROY CONTAMINATED SHOES.
EMERGENCY FIRST AID PROCEDURES - EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES. CONSULT MEDICAL PERSONNEL.
EMERGENCY FIRST AID PROCEDURES - INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. CALL A PHYSICIAN OR TRANSPORT TO A MEDICAL FACILITY.
EMERGENCY FIRST AID PROCEDURES - INGESTION: INDUCE VOMITING IF LARGE AMOUNTS ARE INGESTED. CONSULT MEDICAL PERSONNEL.

NOTES TO PHYSICIAN: NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON JUDGMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE LEL: = 0.70
FLAMMABLE UEL: = 9.90

EXTINGUISHING MEDIA: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, FOAM. FOR LARGE SCALE FIRES, ALCOHOL RESISTANT FOAMS ARE PREFERRED IF AVAILABLE. GENERAL PURPOSE SYNTHETIC FOAMS OR PROTEIN FOAMS MAY FUNCTION, BUT MUCH LESS EFFECTIVELY.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

UNUSUAL FIRE AND EXPLOSION HAZARDS: COMBUSTIBLE. KEEP UNNECESSARY PEOPLE AWAY; ISOLATE HAZARD AREA AND DENY UNNECESSARY ENTRY. WHEN USING WATER SPRAY, BOIL OVER MAY OCCUR WHEN THE PRODUCT TEMPERATURE REACHES THE BOILING POINT OF WATER (TANK TYPE SCENARIOS, NOT SPILLS). VAPORS CAN FORM FLAMMABLE MIXTURES IF SLIGHTLY HEATED. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A CONSIDERABLE DISTANCE WHEN THEY MAY LINGER SLIGHTLY HEATED. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A CONSIDERABLE DISTANCE WHERE THEY MAY NOT BE EFFECTIVE IN EXTINGUISHING A FIRE AND MAY SPREAD IT, BUT A WATER SPRAY CAN BE USED TO COOL EXPOSED CONTAINERS. AVOID ACCUMULATION OF WATER BECAUSE THIS PRODUCT WILL FLOAT ON WATER AND MAY REIGNITE LIQUID PRODUCT IN THE ABSENCE OF SPARKS OR FLAME.

NFPA CODES:

NFPA FLAMMABILITY CODE =	2
NFPA HEALTH CODE =	2
NFPA REACTIVITY CODE =	0

AUTO-IGNITION TEXT: THE AUTOIGNITION TEMPERATURE OF THIS PRODUCT IS NOT

KNOWN.

FLASH POINT TEMPS: = 144.00F

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS AND SOIL. VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS. REMOVE ALL POSSIBLE IGNITION SOURCES; LIKE CIGARETTES, FLAMES, PILOT LIGHTS, ELECTRICAL SOURCES, ETC. PUMP UP (WITH APPROPRIATE EXPLOSION PROOF EQUIPMENT) OR SOAK UP WITH SAND OR OTHER ABSORBENT. APPLICATION OF VAPOR SUPPRESSION FOAMS MAY BE APPROPRIATE. UNDER SOME CONDITIONS OF USE, APPLICATION OF CLAY OR CELLULOSE BASED ABSORBENTS ON SPILLS OF THIS MATERIAL MAY RESULT IN THE GENERATION OF FLAMMABLE VAPORS SINCE THERE IS A HEAT OF ABSORPTION AND A HIGH SURFACE AREA. PRODUCT HAS LIMITED SOLUBILITY IN WATER AND WILL FLOAT ON THE SURFACE.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP UNCONFINED LIQUID AND VAPOR AWAY FROM HEAT, SPARK AND FLAMES. WILL PRODUCE FLAMMABLE VAPORS ABOVE THE FLASH POINT. USE OF THE NON-SPARKING OR EXPLOSION PROOF EQUIPMENT MAY BE NECESSARY, DEPENDING UPON TYPE OF OPERATION. KEEP CONTAINERS CLOSED WHEN NOT IN USE. CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN VAPORS. DO NOT CUT, DRILL, GRIND, WELD OR PERFORM SIMILAR OPERATIONS ON OR NEAR EMPTY CONTAINERS. SPILLS OF THESE ORGANIC LIQUIDS ON HOT FIBROUS INSULATIONS MAY LEAD TO LOWERING OF THE AUTOIGNITION TEMPERATURES POSSIBLE RESULTING IN SPONTANEOUS COMBUSTION.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: USE SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL GOGGLES.

SKIN PROTECTION: USE CHEMICAL-RESISTANT PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL. SELECTION OF SPECIFIC ITEMS SUCH AS GLOVES, BOOTS, APRON, OR FULL-BODY SUIT WILL DEPEND ON SPECIFIC OPERATION. REMOVE CONTAMINATED CLOTHING NO LATER THAN THE END OF THE WORK PERIOD AND CLEAN BEFORE USE.

RESPIRATORY PROTECTION: IF RESPIRATORY IRRITATION IS EXPERIENCED OR IT IS ANTICIPATED THAT EXPOSURE GUIDELINES WILL BE EXCEEDED, USE A NIOSH-APPROVED AIR PURIFYING RESPIRATOR. FOR EMERGENCY CONDITIONS, USE A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

VENTILATION: GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT FOR MOST CONDITIONS. EXPLOSION-PROOF LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.

SECTION 8 - OTHER INFORMATION: AWAITING A MORE SPECIFIC GLOVE TYPE. // HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS, VAPORS AND MISTS FOR FUMES SHOULD BE

MINIMIZED.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT TEMPS: R 370.00F TO 490.00F

MELTING/FREEZE POINT TEXT: NOT AVAILABLE

SPECIFIC GRAVITY VALUES: = 0.7620

VAPOR DENSITY TEXT: NOT AVAILABLE

VAPOR PRESSURE TEXT: NOT AVAILABLE

EVAPORATION RATE VALUES: = 0.03

EVAPORATION RATE TEXT: BUTYL ACETATE = 1

SOLUBILITY IN WATER VALUES/UOM: < 0.1000

SOLUBILITY IN WATER TEXT: G/100 ML.

ODOR: HYDROCARBON ODOR.

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y

STABILITY - TEXT: STABLE UNDER NORMAL STORAGE CONDITIONS.

INCOMPATIBLE MATERIALS: STRONG OXIDIZING MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, AND WATER. UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA UNLIMITED TEXT: SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: OBSERVATIONS IN ANIMALS INCLUDE ONLY INCREASED LIVER SIZE FOLLOWING REPEATED EXPOSURE WITH ONE OF THE COMPONENTS OF THIS PRODUCT.

MUTAGENICITY: RESULTS OF IN VITRO ('TEST TUBE') MUTAGENICITY TESTS ON ONE COMPONENT OF THIS PRODUCT HAVE BEEN NEGATIVE.

REPRODUCTIVE EFFECTS: TERATOLOGY (BIRTH DEFECTS): BIRTH DEFECTS ARE UNLIKELY. EXPOSURES HAVING NO ADVERSE EFFECTS ON THE MOTHER SHOULD HAVE NO EFFECT ON THE FETUS. // IN ANIMAL STUDIES, A COMPONENT OF THIS PRODUCT HAS BEEN SHOWN NOT TO INTERFERE WITH REPRODUCTION.

SECTION 11 - OTHER INFORMATION: OTHER DATA: LAB ANIMAL STUDIES HAVE SHOWN THAT PROLONGED AND REPEATED INHALATION EXPOSURE TO SIMILAR COMPONENTS TO THOSE USED IN THIS PRODUCT CAUSED ADVERSE KIDNEY EFFECTS IN MALE RATS, BUT NOT FEMALE RATS, MALE OR FEMALE MICE, OR HUMANS UNDER

NORMAL USE CONDITIONS. IT IS THEREFORE HIGHLY UNLIKELY THAT THE KIDNEY EFFECTS OBSERVED IN MALE RATS HAVE SIGNIFICANT IMPLICATIONS FOR HUMANS EXPOSED AT OR BELOW THE RECOMMENDED EXPOSURE GUIDELINE.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. FOR UNUSED OR UNCONTAMINATED MATERIAL, THE PREFERRED MANAGEMENT OPTIONS ARE TO SEND TO A LICENSED RECYCLER, RECLAIMER, OR INCINERATOR. THE SAME MANAGEMENT OPTIONS ARE RECOMMENDED FOR USED OR CONTAMINATED MATERIAL, ALTHOUGH ADDITIONAL EVALUATION IS REQUIRED. (SEE, FOR EXAMPLE, 40 CFR PART 261. IDENTIFICATION AND LISTING OF HAZARDOUS WASTE.) ANY DISPOSAL PRACTICE MUST BE IN COMPLIANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL LAWS AND REGULATIONS. CHECK WITH APPROPRIATE AGENCIES FOR YOUR LOCATION. FOR ADDITIONAL INFORMATION, SEE SECTION 4 (REACTIVITY DATA) AND REGULATORY INFORMATION.

SECTION 15: REGULATORY INFORMATION

SARA 311/312 HAZARD INDICATORS:

IMMEDIATE HEALTH INDICATOR =	Y
DELAYED HEALTH INDICATOR =	Y
FIRE INDICATOR =	Y

SECTION 15 - OTHER INFORMATION: SARA 313 INFORMATION: TO THE BEST OF OUR KNOWLEDGE, THIS PRODUCT CONTAINS NO CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION REQUIREMENTS. // TOXIC SUBSTANCES CONTROL ACT (TSCA): ALL INGREDIENTS ARE ON THE TSCA INVENTORY OR ARE NOT REQUIRED TO BE LISTED ON THE TSCA INVENTORY.

SAFE USE CATEGORY AND DESCRIPTION :

03 SOLVENTS - FLASH POINT: > 100 F

REGULATORY IMPACTS (REG) AND ADDITIONAL HEALTH HAZARD STATEMENTS (HHS) :

GMBA/PLANT USING THIS FID:

GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS
CISCO: 17001;
STATUS :ACTIVE
GMBA: 000550957 CHEMICAL RISK MANAGEMENT
CISCO: 89150;
STATUS :ACTIVE
GMBA: 000556705 ENVIRONMENTAL SYSTEMS HELPDESK
CISCO: 99004;
STATUS :ACTIVE