

SECTION I - IDENTIFICATION

CHEMICAL NAME: HIGH PURITY PARAFFINIC MINERAL OIL  
SYNONYMS: DIRECTORR 8995P PREMIUM VACUUM PUMP OIL  
FORMULA: NA (PRODUCT IS REFINED NATURALLY OCCURING MIXTURE)  
DOT CLASSIFICATION: CAS 68037-01-4  
MANUFACTURER'S NAME  
WELCH VACUUM TECHNOLOGY, INC.

ADDRESS  
7300 N. LINDER AVENUE

GENERAL INFORMATION:  
(708)676-8800

CITY, STATE AND ZIP  
SKOKIE, IL 60076-0183

OTHER INFORMATION  
CALL ABOVE

SIGNATURE OF PERSON  
RESPONSIBLE FOR PREPARATION (OPTIONAL)

DATE  
PREPARED 1-14-91

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SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY  
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HAZARDOUS COMPONENT(S) (CHEMICAL & COMMON NAME(S))

	OSHA PEL	ACGIH TLV	OTHER EXPOSURE LIMITS	% OPTIONAL
HIGH PURITY PARAFINIC MINERAL OIL				
	NO	NO		
	OSHA PEL	ACGIH TLV		100%

TO THE BEST OF OUR KNOWLEDGE, THE ABOVE LISTED COMPONENT IS NOT HAZARDOUS  
ACCORDING TO OSHA (1910, 1200) OR ONE OR MORE STATE RIGHT-TO-KNOW LISTS.

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SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTIC  
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BOILING POINT, C: 445 F (ASTM D-86 METHOD) VAPOR PRESSURE IMM 11G)  
MELTING POINT, F: N/A 3 X 10<sup>-6</sup>  
SPECIFIC GRAVITY (WATER=1): 0.86 @ 22 C (72 F) WATER SOLUBILITY: NIL  
EVAPORATION RATE (BUTYL ACETATE=1): N/D VAPOR DENSITY (AIR=1): N/D

APPEARANCE AND ODOR: PALE YELLOW, SLIGHT ODOR

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SECTION 4 - FIRE & EXPLOSION DATA  
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FLASH POINT	METHOD	FLAMMABLE LIMITS IN AIR % BY VOLUME	LEL LOWER N/D	UEL UPPER N/D
450 F.	USED C.O.C	N/D		

AUTO-IGNITION TEMPERATURE 505 F EXTINGUISHER MEDIA  
USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON  
DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES  
WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS  
COOL. IF SPILL OR LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS

UNUSUAL FIRE AND EXPLOSION HAZARDS  
FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN THE  
POSITIVE-PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF  
EXPOSURE TO SMOKE. FUMES OR HAZARDOUS DECOMPOSITION PRODUCTS.

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SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)  
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STABILITY: STABLE, HOWEVER AVOID HEATING TO DECOMPOSITION. THE USER  
IS ADVISED TO HAVE A SAFETY EXPERT EVALUATE THE SPECIFIC CONDITIONS  
USE.

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: N/A  
MATERIALS TO AVOID: N/D

HAZARDOUS DECOMPOSITION PRODUCTS:  
DECOMPOSITION OF ORGANIC MATERIALS MAY PRODUCE CARBON MONOXIDE.

HAZARDOUS	MAY OCCUR		CONDITIONS TO AVOID
POLYMERIZATION	WILL NOT OCCUR	X	N/A

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SECTION 6 - HEALTH HAZARDS  
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HEALTH HAZARDS (ACUTE AND CHRONIC): EXPOSURE TO OIL MISTS MAY CAUSE NAUSEA,  
DIZZINESS, HEADACHE, OR EYE OR LUNG  
IRRITATION.

ORAL :N/D  
DERMAL :N/D  
INHALATION :N/D

CARCINOGENICITY: N/D

SIGNS AND SYMPTOMS OF EXPOSURE

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

FIRST AID MEASURES

IF INHALED: REMOVE TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING, GIVE  
ARTIFICIAL RESPIRATION. SEEK MEDICAL ATTENTION.

IN CASE OF EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR  
15 MINUTES. DO NOT LET VICTIM RUB EYES.

IN CASE OF SKIN CONTACT: WASH AFFECTED AREA THOROUGHLY.

IF SWALLOWED: DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS AND ABLE TO  
SWALLOW, GIVE WATER TO DILUTE, DO NOT GIVE SODIUM BICARBONATE,  
FRUIT JUICES, OR VINEGAR. SEE MEDICAL ATTENTION.

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SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE  
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STORAGE AND HANDLING PRECAUTIONS: NO SPECIAL PRECAUTIONS NECESSARY.

WASTE DISPOSAL METHOD: UNDER RCRA, IT IS THE RESPONSIBILITY TO THE USER  
OF PRODUCTS TO DETERMINE AT THE TIME OF DISPOSAL,  
WHETHER PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS  
WASTE. THIS IS BECAUSE PRODUCT USES, TRANSFORMATIONS,  
MIXTURE, PROCESSES, ETC. MAY RENDER THE RESULTING  
MATERIAL HAZARDOUS.

ACTION TO TAKE FOR SPILLS OR LEAKS: WEAR APPROPRIATE RESPIRATORY PROTECTION  
AND PROTECTIVE CLOTHING AS DESCRIBED BELOW. CONTAIN SPILLED MATERIAL.  
TRANSFER TO SECURED CONTAINERS. COLLECT USING ABSORBENT MEDIA. IN THE EVENT  
OF AN UNCONTROLLED RELEASE OF THIS MATERIAL, USER SHOULD DETERMINE IF RELEASE  
IS REPORTABLE UNDER APPLICABLE LAWS AND REGULATIONS UNDER RCRA.

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SECTION 8 - CONTROL MEASURES  
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VENTILATION: NORMAL.

RESPIRATORY PROTECTION: RESPIRATORS SHOULD BE SELECTED BASED ON THE  
FORM AND CONCENTRATION OF CONTAMINANT IN THE AIR,  
AND IN ACCORDANCE WITH OSHA(1910.134).

EYE PROTECTION: SAFETY GOGGLES MEETING ANSI Z 87.1 STANDARD.

PROTECTIVE CLOTHING: IMPERVIOUS GLOVES WHEN PROLONGED CONTACT CANNOT BE  
AVOIDED.

OTHER PROTECTIVE MEASURES: WEAR IMPERVIOUS CLOTHING FOR THE DURATION OF

ANTICIPATED EXPOSURE.

WORK/HYGIENIC PRACTICES: EMPLOYEES SHOULD EXERCISE REASONABLE PERSONAL CLEANLINESS.

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