

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

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

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.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTIC

BOILING POINT, C: 445 F (ASTM D-86 METHOD) VAPOR PRESSURE IMM 11G)
MELTING POINT, F: N/A 3 X 10⁻⁶
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

SECTION 4 - FIRE & EXPLOSION DATA

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.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

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

SECTION 6 - HEALTH HAZARDS

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.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

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.

SECTION 8 - CONTROL MEASURES

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.

ALL STATEMENTS, INFORMATION, AND DATA PROVIDED IN THIS MATERIAL SAFETY DATA SHEET ARE BELIEVED TO BE ACCURATE AND RELIABLE, BUT ARE PRESENTED WITHOUT GUARANTEE, WARRANTY, OR RESPONSIBILITY OF ANY KIND, EXPRESSED OR IMPLIED ON OUR PART. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION OF PRODUCTS FOR THEIR PARTICULAR PURPOSE.