

MATERIAL SAFETY DATA SHEET

SECTION I

CHEMICAL NAME: REFINED PETROLEUM OIL(PARAFFINIC HYDROCARBONS), SEVERLY
SOLVENT REFINED (CLASS 3) CATALOG NUMBER: 1407K CAS64742-65-0/64741-88-4
SYNONYMS: WELCH DUO SEAL HIGH VACUUM PUMP OIL
SARGENT-WELCH SCIENTIFIC COMPANY

ADDRESS: 7300 NORTH LINDER AVE. SKOKIE, IL 60077

TELEPHONE NUMBERS: GENERAL INFORMATION (708) 676-8800

EMERGENCY 24 HOUR CHEMTREC (800) 424-9300

FORMULA: NA (PRODUCT IS REFINED NATURALLY OCCURRING MIXTURE)

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	EXPOSURE LIMITS IN AIR		OTHER LIMITS	%
	OSHA PEL	ACGIH TLV	RECOMMENDED	
PRODUCT IS A COMPLEX, NATURALLY OCCURRING MIXTURE OF SATURATED ALIPHATIC HYDROCARBONS, (LIMITS ARE FOR MINERAL OIL MISTS) ALL APPROXIMATELY EQUALLY HAZARDOUS	5 MG/M3	5 MG/M3	ACGIH STEL: 10 MG/M3	

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: APPROXIMATELY 373 C

VAPOR PRESSURE (MM HG) @ 25 /C: <4X10-5

VAPOR DENSITY (AIR=1): >1

SOLUBILITY IN WATER: NEGLIGIBLE

SPECIFIC GRAVITY (H2O=1): 0.87

MELTING POINT: NA

EVAPORATION RATE (BUTYL ACETATE=1): <1

APPEARANCE AND ODOR: VISCOUS, AMBER LIQUID WITH BLAND ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 224 C (COC); 218 C (PM)

FLAMMABLE LIMITS: NA LEL: NA UEL: NA

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: WATER MAY CAUSE FROTHING

SECTION V - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: DNA

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDANTS

HAZARDOUS DECOMPOSITION BY-PRODUCTS: THERMAL DECOMPOSITION EVOLVES CARBON
MONOXIDE AND CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: DNA

DNA= DOES NOT APPLY NA= NOT AVAILABLE

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? YES SKIN? YES INGESTION? YES

HEALTH HAZARDS (ACUTE AND CHRONIC): INHALATION OF VAPORS MAY CAUSE DROWSINESS,
DIZZINESS, HEADACHE, NAUSEA OR LUNG IRRITATION. MISTS ABOVE TLV MAY CAUSE
CHEMICAL PNEUMONITIS. LC50 (RAT - 4 HOUR EXPOSURE) > 5000 MG/M. MILD,
READILY REVERSIBLE IRRITATION OF EYE AND SKIN. LOW TOXICITY ON INGESTION.
LD50 (RAT) > 15 G/KG. MAY CAUSE GASTROINTESTINAL IRRITATION, DIARRHEA,
VOMITING, DEPRESSION, HEADACHE, DROWSINESS OR NAUSEA. CHRONIC EXPOSURE:
CONTACT MAY CAUSE DRYING, CRACKING (DERMATITIS) OR FOLLICULITIS. INHALATION
MAY CAUSE BRONCHITIS OR PULMONARY IRRITATION.

SUSPECTED CANCER AGENT YES: NTP? IARC MONOGRAPHS? OSHA REGULATED?

XXX NO: THIS PRODUCT'S INGREDIENTS ARE NOT FOUND IN
THE LISTS ABOVE.

SYMPTOMS OF OVEREXPOSURE: THIS IS A SEVERELY SOLVENT REFINED OIL (CLASS 3).
THERE IS NO EVIDENCE THAT SUCH OILS ARE CARCINOGENIC TO EXPERIMENTAL
ANIMALS (50 FEDERAL REGISTER 51853). REFER TO HEALTH HAZARDS, ABOVE.
INGESTION OF A LARGE QUANTITY - BETWEEN A PINT AND A QUART CAN BE FATAL TO A
150 LB. ADULT HUMAN.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: DERMAL ALLERGIES,
BRONCHITIS.

FIRST AID AND EMERGENCY PROCEDURES

EYE CONTACT: SUSTAINED FLUSHING WITH FREE FLOW OF WATER. SEEK MEDICAL
ATTENTION IN CASE OF COMPLICATIONS.

SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. LAUNDRY CONTAMINATED
CLOTHING BEFORE WEARING AGAIN.

INHALATION: REMOVE TO FRESH AIR. PROVIDE RESPIRATORY SUPPORT IN CASE OF
DIFFICULTY IN BREATHING. SEEK MEDICAL AID.

INGESTION: IMMEDIATELY SEEK MEDICAL AID. DO NOT ATTEMPT TO INDUCE
VOMITING.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: STOP ANY LEAKS.
REMOVE SOURCES OF HEAT OR IGNITION. PROVIDE ADEQUATE VENTILATION. SOAK UP SMALL
SPILLS WITH RAGS, SAND OR SPECIAL ABSORBENTS. WALL OFF LARGER SPILLS WITH
SAND OR SPECIAL ABSORBENT. PICK UP WITH SUITABLE PUMP.

WASTE DISPOSAL METHOD: IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND
LOCAL ENVIRONMENTAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: SMALL SPILLS ARE A HAZARD TO
PEDESTRIANS. CLEAN UP IMMEDIATELY. DO NOT POUR OR HANDLE IN THE PRESENCE
OF AN OPEN FLAME OR HOT ELECTRICAL ELEMENT. WASH CONTAMINATED SKIN
THOROUGHLY WITH SOAP AND WATER AT THE FIRST OPPORTUNITY.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION(SPECIFY TYPE): NOT USUALLY REQUIRED. IF HIGH VAPOR OR
MIST CONCENTRATIONS ARE EXPECTED, USE RESPIRATOR APPROVED FOR ORGANIC VAPORS
AND MISTS.

VENTILATION: LOCAL EXHAUST: WHEN WORK AREA EXCEEDS TLV. SPECIAL:
MECHANICAL (GENERAL): OTHER:

PROTECTIVE GLOVES: OIL IMPERVIOUS GLOVES FOR FREQUENT OR PROLONGED CONTACT.
EYE PROTECTION: SAFETY GOGGLES, OR CHEMICAL SPLASH GOGGLES IF SPLASHING
IS ANTICIPATED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WEAR BODY-COVERING WORK
CLOTHES TO AVOID PROLONGED OR REPEATED CONTACT.

WORK/HYGIENIC PRACTICES: WASH SKIN CONTACT AREAS THOROUGHLY WITH SOAP AND
WATER. LAUNDRY CONTAMINATED CLOTHING BEFORE WEARING AGAIN.

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