

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, ALL APPROXIMATELY EQUALLY HAZARDOUS	5 MG/M3	5 MG/M3	ACGIH STEL: 10 MG/M3

(LIMITS ARE FOR MINERAL OIL MISTS)

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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