

M S D S

Material Safety Data Sheet



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Immersion Oil

SECTION 1 PRODUCT INFORMATION

NAME: Immersion Oil
EKI ORDER NUMBER: 4815, 4816, 4817
SYNONYMS: N/A
CAS NO: N/A
FORMULA: N/A
REVISION DATE: 25 Feb 2004

SECTION 2 HAZARDOUS INGREDIENTS / COMPOSITION INFORMATION

INGREDIENT	CAS NO	OSHA PEL	ACGIH TLV
Hydrogenated Terphenyl	61788-32-7	N/A	5mg/cu m TWA
Terphenyl	26140-60-3	9mg/cu m CEI	5mg/cu m CEIL
Natural Hydrocarbons	NA	5mg/cu m	5mg/cu m
Polybutenes	NA	5mg/cu m	5mg/cu m

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: 760mm Hg @ 73 F - Nil
BOILING POINT: 760 mm Hg 340 C - 644 F
VAPOR PRESSURE: mm HG @ 73 F - ca 1
MELTING POINT: <32 F
VAPOR DENSITY: Air = 1, 760 mm Hg, 73 F - ca 1
SPECIFIC GRAVITY: (H₂O=1) Temp 23 C/73 F - .9
EVAPORATION RATE: 760 mm Hg & 23 C/73 F - ca 1
APPEARANCE AND ODOR: Light yellow, slight characteristic odor.

SECTION 4 FIRE / EXPLOSION HAZARD DATA

FLASH POINT: >325 F (Open cup)
FLAMMABLE LIMITS (UPPER AND LOWER): N.D.F.
EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical or any Class B agent.
SPECIAL FIRE FIGHTING PROCEDURES: None.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SECTION 5 REACTIVITY DATA

STABILITY: Stable.
CONDITIONS TO AVOID: Heat above 150 F.
MATERIALS TO AVOID: Strong oxidizers.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY: Not likely at C.I.U.
HEALTH HAZARDS (ACUTE AND CHRONIC): None known.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None
CARCINOGENICITY: None

****FIRST AID PROCEDURES****

EYES: Flush with water. Slight temporary irritation possible (Consult physician).
SKIN: Prompt soap and water wash.
INHALATION: (Not likely at C.I.U.) If concern arises remove to fresh air.
INGESTION: Low order of toxicity. First Aid normally not needed (Consult physician).

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Absorb, place in plastic container, cap or twist tie closure.
WASTE DISPOSAL METHOD: All chemical disposal must be in accordance with current local, state, and federal regulations.
OTHER PRECAUTIONS: Store between 65 F and 90 F. Avoid continual direct sunlight, vaporizing or atomizing.

SECTION 8 CONTROL MEASURES

VENTILATION: Local exhaust, general.
RESPIRATORY PROTECTION: See Ventilation.
EYE PROTECTION: Splash goggles.
GLOVES: If worn, polyethylene gloves are recommended.
OTHER PROTECTIVE CLOTHING: N/A
WORK HYGIENE PRACTICES: Not mandatory except as good laboratory industrial practices. Always use good hygienic work/practices as to housekeeping, personal hygiene, use of chemical lab apron and splash goggles, avoidance of vapors, prolonged and repeated skin contact.

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