CARGILLE LABORATORIES, INC.
55 Commerce Road • Cedar Grove, New Jersey • 07009-1289 USA
Phone: 973-239-6633  Fax: 973-239-6096  Email: CargilleLabs@aol.com  URL: http://www.cargille.com

CATALOG #16487

IDENTITY ( AS USED ON LABEL AND MANUF. LITERATURE )
CARGILLE IMMERSION OIL
TYPE OVH CODE 658

NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, OR NO INFORMATION IS AVAILABLE, THE SPACE MUST BE MARKED TO INDICATE THAT.

SECTION 1
MANUFACTURER’S NAME
CARGILLE LABORATORIES, INC.

ADDRESS ( NUMBER, STREET, CITY, STATE, AND ZIP CODE )
55 COMMERCE ROAD
CEDAR GROVE, NJ 07009

EMERGENCY TELEPHONE NUMBER
WEEKDAY 973 - 239 - 6633  24 HR CHEMREC 800 - 424 - 9300

TELEPHONE NUMBER FOR INFORMATION
973 – 239 - 6633

DATE PREPARED
MAY 23, 2011

SUPERCEDES PRIOR DATED MSDS FOR THIS MATERIAL

THE INFORMATION SUPPLIED IS BASED ON DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND EXPRESSED OR IMPLIED, IS MADE WITH RESPECT TO THE INFORMATION PRESENTED AND CARGILLE LABORATORIES ASSUMES NO RESPONSIBILITY FOR THE RESULTS OF THE USE OF THIS PRODUCT. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RESPONSIBLE FOR ITS USE SHALL MAKE HIS OR HER OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS OR HER PARTICULAR PURPOSE.

CONDITIONS OF INTENDED AND NORMAL USE: ( ABBR. C.I.U.) AS A MICROSCOPE IMMERSION OIL AT NORMAL ROOM PRESSURE (760 mm Hg), TEMPERATURE 45 °F TO 104 °F IN A NON MISTED / NON AIRBORN STATE IN A ROOM HAVING NORMAL AIR CHANGES, (2) / HR., IN A TRAINED AND SUPERVISED LABORATORY / INDUSTRIAL SETTING USING STANDARD GL / GM PROCEDURES. SEE SECTIONS 7 AND 8.

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS ( COMMON NAME (S) )

OSHA PEL
ACGIH TLV

TRADE SECRET
HYDROGENATED TERPHENYL
N.E.
5 mg / CUBIC METER *

TRADE SECRET
TERPHENYL
5 mg / CUBIC METER *
5 mg / CUBIC METER *

TRADE SECRET
NATURAL HYDROCARBONS
5 mg / CUBIC METER *
5 mg / CUBIC METER *
IF MISTED

% (OPTIONAL)

PEL CEILINGS & TLV T.W.A.s IF ANY SHOULD NOT OCCUR IF C.I.U. AND SECTIONS 7 & 8 FOLLOWED.

NOTE: PRODUCT NORMALLY SOLD IN 1/4 OZ. TO 16 OZ. QUANTITIES. USED IN SINGLE DROP TO A FEW CUBIC CENTIMETERS PER APPLICATION. SEE REQUISITIONER FOR SPECIFIC QUANTITIES INVOLVED.

SECTION 3 - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT AT 760 mm Hg

SPECIFIC GRAVITY ( H2O = 1 ) TEMP. 23 °C / 73 °F

N.D.F.
0.8

VAPOR PRESSURE IN mm Hg ( TEMP. )

MELTING POINT

73 °F
N.D.F.
< 65 °F

VAPOR DENSITY ( AIR = 1 ) AT ( mm Hg & TEMP. )

EVAPORATION RATE AT 760 mm Hg & 23 °C / 73 °F

760 73 °F
> 1
CA 1

( MINERAL OIL = 1 )

SOLUBILITY IN WATER AT ( mm Hg & TEMP. )

APPEARANCE AND ODOR

760 73 °F
NIL
VERY LIGHT YELLOW, SLIGHT CHARACTERISTIC ODOR

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT ( CUP METHOD USED )

FLAMMABLE LIMITS

LEL

UEL

> 250 °F ( 120 °C ) C.O.C.

N.D.F.
N.D.F.

EXTINGUISHING MEDIA

CARBON DIOXIDE, FOAM, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES

N.I.O.S.H. / MESA APPROVED S.C.B.A. AND PROTECTIVE CLOTHING

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE

ABBREVIATIONS: N.A. = NOT APPLICABLE; N.D.F. = NO DATA FOUND; TR.S. = TRADE SECRET; N.E. = NOT ESTABLISHED; C.I.U. = CONDITIONS OF INTENDED USE; < = LESS THAN; > = GREATER THAN.
SECTION 5 - REACTIVITY DATA

| STABILITY  | UNSTABLE |  |
|------------|----------|  |
|            | STABLE   | YES |

INCOMPATIBILITY (MATERIALS AND / OR CONDITIONS TO AVOID)
KEEP AWAY FROM FLAME, HEAT (150 °F MAXIMUM) AND STRONG OXIDIZING AGENTS

HAZARDOUS POLYMERIZATION
MAY OCCUR CONDITIONS TO AVOID
WILL NOT OCCUR X NONE

SECTION 6 - HEALTH HAZARD DATA

ROUTE (S) OF ENTRY: INHALATION? SKIN? MUCOUS MEMBRANES / EYES? INGESTION?
( NOT LIKELY AT C.I.U.) SLIGHT SLIGHT SLIGHT POSSIBLE

HEALTH HAZARDS (ACUTE AND CHRONIC).
NONE KNOWN AT C.I.U.

CARCINOGENICITY LISTED:
NTP? IARC MONOGRAPHS? OSHA CARCINOGEN?
NO NO NO

SIGNS AND SYMPTOMS OF EXPOSURE
OILY OR TACKY FEEL, IF LIQUID IS MISTED OR ABOVE 150 °F (NOT A C.I.U.) HEADACHES AND NAUSEA POSSIBLE.
MAY CAUSE MILD SKIN IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
N.D.F.

EMERGENCY AND FIRST AID PROCEDURES: INCLUDE POSSIBLE MATERIAL THAT MAY HAVE BEEN MIXED WITH LIQUID DURING USE.
INHALATION – (NOT LIKELY AT C.I.U.) REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CONTACT PHYSICIAN IMMEDIATELY.

SKIN & CLOTHES – PROMPT SOAP AND WATER WASH.

EYES – FLUSH WITH WATER, IF IRRITATION EXISTS, CONSULT PHYSICIAN.

INGESTION – LOW ORDER OF TOXICITY, FIRST AID NORMALLY NOT NEEDED (CONSULT PHYSICIAN).

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE – FOLLOW C.I.U. SEE SECTION 1

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
ABSORB, PLACE IN PLASTIC (POLYETHYLENE OR POLYPROPYLENE) CONTAINER, CAP OR TWIST TIE CLOSURE (SEE SECTION 8).

WASTE DISPOSAL METHOD:
ALL CHEMICAL DISPOSALS MUST BE IN ACCORDANCE WITH CURRENT LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
STORE BETWEEN 65 °F AND 90 °F (18 °C AND 32 °C)

OTHER PRECAUTIONS
AVOID CONTINUAL DIRECT SUNLIGHT, VAPORIZING OR ATOMIZING.

SECTION 8 - CONTROL MEASURES; WHEN USED AS INTENDED (SEE SECTION 1)

RESPIRATORY PROTECTION (SPECIFY TYPE)
SEE “VENTILATION”

VENTILATION LOCAL EXHAUST SPECIAL N.A.
MECHANICAL (GENERAL) SPECIAL OTHER N.A.

PROTECTIVE GLOVES * SURGICAL TYPE, IF WORN EYE PROTECTION *

OTHER PROTECTIVE CLOTHING OR EQUIPMENT *
* = 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.

SPECIAL PRECAUTIONS N.A.

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