CATALOG 16212
IDENTITY ( AS USED ON LABEL AND MANUF. LITERATURE )
CARGILLE IMMERSION OIL
TYPE FF CODE 159

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.

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

ADDRESS ( NUMBER, STREET, CITY, STATE, AND ZIP CODE )
55 COMMERCE ROAD

DATE PREPARED
May 23, 2011

CEDE GROVE, NJ 07009

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.

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS ( COMMON NAME ( S ) )

OCSHA PEL CEILING
ACGIH TLV T.W.A.
OTHER LIMITS RECOMMENDED % (OPTIONAL)

TRADE SECRET
ALIPHATIC / ALICYCLIC HYDROCARBONS
5 mg / CUBIC METER *
N.D.F.

*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 ¼ OZ. TO 16 OZ. QUANTITIES. USED IN SINGLE DROP TO A FEW CUBIC CENTIMETERS PER APPLICATION. SEE REQUISITION FOR SPECIFIC QUANTITIES INVOLVED.

SECTION 3 - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT AT 760 mm hg
> 230 °C
> 450 °C
SPECIFIC GRAVITY ( H₂O = 1 ) TEMP. 23 °C / 73 °F < 1.0

VAPOR PRESSURE IN mm hg ( TEMP. )
73 °F
< .5
MELTING POINT
< 32 °F

VAPOR DENSITY ( AIR = 1 ) AT ( mm hg & TEMP. )
760 73 °F
N.A.
EVAPORATION RATE AT 760 mm hg & 23 °C / 73 °F ( MINERAL OIL = 1 )
ca 1

SOLUBILITY IN WATER AT ( mm hg & TEMP. )
760 73 °F
NEGILIGIBLE
APPEARANCE AND ODOR
COLORLESS, ODORLESS, VISCOUS LIQUID

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT ( CUP METHOD USED )
430 °F ( 221 °C ) C.O.C.
FLAMMABLE LIMITS
LEL N.D.F.
UEL N.D.F.

EXTINGUISHING MEDIA
TREAT AS PETROLEUM GREASE / OIL FIRE, USE FOAM OR DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES
NONE

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

<table>
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<th>STABILITY</th>
<th>UNSTABLE</th>
<th>STABLE</th>
<th>YES</th>
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INCOMPATIBILITY (MATERIALS AND/OR CONDITIONS TO AVOID)

STABLE

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

STRONG OXIDIZERS, HEAT ABOVE 150 °F

WILL NOT OCCUR

X

N.A.

SECTION 6 - HEALTH HAZARD DATA

ROUTE (S) OF ENTRY:

INHALATION?

SKIN?

MUCOUS MEMBRANES/EYES?

INGESTION?

( NOT LIKELY AT C.I.U. )

YES

SLIGHT

YES

POSSIBLE

HEALTH HAZARDS (ACUTE AND CHRONIC).

NONE KNOWN AT C.I.U.

CARCINOGENICITY LISTED:

NITROUS OXIDE

IARC MONOGRAPHS

OSHA CARCINOGEN

NO

NO

NO

SIGNS AND SYMPTOMS OF EXPOSURE

OILY FEEL

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. ) IF CONCERN ARISES, REMOVE TO FRESH AIR.

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.

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

RESPIRATORY PROTECTION (SPECIFY TYPE)

SEE "VENTILATION"

VENTILATION

LOCAL EXHAUST

* SPECIAL

MECHANICAL (GENERAL)

* OTHER

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.