## CATALOG #16245

**IDENTITY ( AS USED ON LABEL AND MANUF. LITERATURE )**

CARGILLE IMMERSION OIL

**TYPE HF CODE 368**

**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

**DATE PREPARED**

May 23, 2011

**SUPERCEDES PRIOR DATED MSDS FOR THIS MATERIAL**

CEDAR GROVE, NJ 07009

**SIGNATURE OF PREPARER ( OPTIONAL )**

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

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>( COMMON NAME (S) )</th>
<th>OSHA PEL CEILING</th>
<th>ACGIH TLV T.W.A.</th>
<th>OTHER LIMITS RECOMMENDED</th>
<th>% (OPTIONAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRADE SECRET</td>
<td>ALIPHATIC / ALICYCLIC HYDROCARBONS</td>
<td>5 mg / CUBIC METER °*</td>
<td>5 mg / CUBIC METER °*</td>
<td>°*PEL CEILINGS &amp; TLV T.W.A.s IF ANY SHOULD NOT OCCUR IF C.I.U. AND SECTIONS 7 &amp; 8 FOLLOWED.</td>
<td></td>
</tr>
</tbody>
</table>

*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

<table>
<thead>
<tr>
<th>BOILING POINT AT 760 mm Hg</th>
<th>N.D.F.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SPECIFIC GRAVITY ( H₂O = 1 ) TEMP. 23 °C / 73 °F</th>
</tr>
</thead>
</table>

< 1

<table>
<thead>
<tr>
<th>VAPOR PRESSURE IN mm Hg ( TEMP. )</th>
</tr>
</thead>
</table>

73 °F

<table>
<thead>
<tr>
<th>MELTING POINT</th>
</tr>
</thead>
</table>

< .5

<table>
<thead>
<tr>
<th>VAPOR DENSITY ( AIR = 1 ) AT ( mm Hg &amp; TEMP. )</th>
</tr>
</thead>
</table>

760, 73 °F

<table>
<thead>
<tr>
<th>EVAPORATION RATE AT 760 mm Hg &amp; 23 °C / 73 °F ( MINERAL OIL = 1 )</th>
</tr>
</thead>
</table>

= OR > 1

<table>
<thead>
<tr>
<th>EVAPORATION RATE AT 760 mm Hg &amp; 23 °C / 73 °F</th>
</tr>
</thead>
</table>

ca 1

<table>
<thead>
<tr>
<th>SOLUBILITY IN WATER AT ( mm Hg &amp; TEMP. )</th>
</tr>
</thead>
</table>

760, 73 °F

<table>
<thead>
<tr>
<th>APPEARANCE AND ODOR</th>
</tr>
</thead>
</table>

NEGligible

<table>
<thead>
<tr>
<th>COLORLESS, SLIGHT CHARACTERISTIC ODOR</th>
</tr>
</thead>
</table>

### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>FLASH POINT ( CUP METHOD USED )</th>
</tr>
</thead>
</table>

> 340 °F ( 171 °C ) C.O.C.

<table>
<thead>
<tr>
<th>FLAMMABLE LIMITS</th>
</tr>
</thead>
</table>

LEL N.D.F.

<table>
<thead>
<tr>
<th>UEL</th>
</tr>
</thead>
</table>

N.D.F.

**EXTINGUISHING MEDIA**

CARBON DIOXIDE, 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>
<thead>
<tr>
<th>STABILITY</th>
<th>UNSTABLE</th>
<th>STABLE</th>
<th>YES</th>
</tr>
</thead>
</table>

INCOMPATIBILITY (MATERIALS AND/ OR CONDITIONS TO AVOID)
MAY REACT WITH STRONG OXIDIZING AGENTS

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

SECTION 6 - HEALTH HAZARD DATA

ROUTE (S) OF ENTRY:

<table>
<thead>
<tr>
<th>INHALATION?</th>
<th>SKIN?</th>
<th>MUCOUS MEMBRANES/EYES?</th>
<th>INGESTION?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slight</td>
<td>Possible</td>
<td>Possible</td>
<td>Possible</td>
</tr>
</tbody>
</table>

HEALTH HAZARDS (ACUTE AND CHRONIC):
RELATIVELY NON-TOXIC, ASPIRATION OF INGESTED LARGE QUANTITIES MAY LEAD TO CHEMICAL PNEUMONITIS.

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

SIGNS AND SYMPTOMS OF EXPOSURE
OILY FEEL ON SKIN

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.
SKIN – WASH WITH SOAP AND WATER.
EYES – Flush with low pressure water for 15 minutes. Consult physician.
INGESTION – DO NOT INDUCE VOMITING. RINSE OUT MOUTH. IF VOMITING OCCURS, KEEP HEAD BELOW KNEES TO AVOID ASPIRATION. CONTACT PHYSICIAN IMMEDIATELY.

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 N.A.
MECHANICAL (GENERAL)
* 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.