



CARGILLE LABORATORIES, INC.

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CATALOG #19571, 19572

IDENTITY (AS USED ON LABEL AND MANUF. LITERATURE) CARGILLE IMMERSION LIQUID CODE 06350 n_D = 1.4575 – 1.4595	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.
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SECTION 1		
MANUFACTURER'S NAME CARGILLE LABORATORIES, INC.	EMERGENCY TELEPHONE NUMBER WEEKDAY 973 - 239 - 6633 24 HR CHEMTREC 800 - 424 - 9300	
ADDRESS (NUMBER, STREET, CITY, STATE, AND ZIP CODE)	TELEPHONE NUMBER FOR INFORMATION 973 - 239 - 6633	
55 COMMERCE ROAD	DATE PREPARED JUNE 3, 2005	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.		
CONDITIONS OF INTENDED AND NORMAL USE: (ABBR. C.I.U.) AS OPTICAL IMMERSION LIQUID 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		SPECIFIC CHEMICAL IDENTITY INFORMATION			
HAZARDOUS COMPONENTS	(COMMON NAME (S))	OSHA PEL CEILING	ACGIH TLV T.W.A.	OTHER LIMITS RECOMMENDED	% (OPTIONAL)
TRADE SECRET	SYNTHETIC ALIPHATIC HYDROCARBONS	5 mg / CUBIC METER *			
TRADE SECRET	ALIPHATIC / ALICYCLIC HYDROCARBONS	5 mg / CUBIC METER *			

*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 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	> 232 °C	> 450 °F	SPECIFIC GRAVITY (H ₂ O = 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	ca 1	EVAPORATION RATE AT 760 mm Hg & 23 °C / 73 °F (MINERAL OIL = 1)	< 1
SOLUBILITY IN WATER AT (mm Hg & TEMP.)	760 73 °F	INSOLUBLE	APPEARANCE AND ODOR COLORLESS, ODORLESS, OILY LIQUID	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (CUP METHOD USED)	FLAMMABLE LIMITS	LEL	UEL
> 350 °F (177 °C) C.O.C.		N.D.F.	N.D.F.
EXTINGUISHING MEDIA TREAT AS PETROLEUM GREASE / OIL FIRE, USE FOAM, CARBON DIOXIDE, OR DRY CHEMICAL.			
SPECIAL FIRE FIGHTING PROCEDURES USE N.I.O.S.H. / MESA APPROVED S.C.B.A.			
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) N.D.F.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	NONE
SECTION 6 - HEALTH HAZARD DATA			
ROUTE (S) OF ENTRY: (NOT LIKELY AT C.I.U.)	INHALATION? YES	SKIN? SLIGHT	MUCOUS MEMBRANES / EYES? SLIGHT
INGESTION? POSSIBLE			
HEALTH HAZARDS (ACUTE AND CHRONIC). NONE KNOWN AT C.I.U.			
CARCINOGENICITY LISTED:	NTP? NO	IARC MONOGRAPHS? NO	OSHA CARCINOGEN? NO
SIGNS AND SYMPTOMS OF EXPOSURE OILY FEEL, IF LIQUID IS HEATED ABOVE 150 °F (NOT A C.I.U.) MAY BE MILD RESPIRATORY IRRITANT.			
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 – REMOVE TO FRESH AIR.			
SKIN & CLOTHES – WASH WITH SOAP AND WATER, WASH CONTAMINATED CLOTHING BEFORE RE-USE.			
EYES – FLUSH WITH WATER, IF IRRITATION PERSISTS, CONSULT PHYSICIAN.			
INGESTION – WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. DO NOT INDUCE VOMITING. CONTACT 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 LIGHT			
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 * IF WORN, POLYETHYLENE TYPE RECOMMENDED		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.			