



CARGILLE LABORATORIES, INC.

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CATALOG #19561, 19259, 19259-BXS, 19261, 19340

IDENTITY (AS USED ON LABEL AND MANUF. LITERATURE) CARGILLE IMMERSION LIQUID CODE 1160 RANGE $n_D = 1.482 - 1.538$	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 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.		
CONDITIONS OF INTENDED AND NORMAL USE: (ABBR. C.I.U.) AS AN OPTICAL IMMERSION LIQUID AT NORMAL ROOM PRESSURE (760 mm Hg), TEMPERATURE 39 °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	MIXED PHTHALATE ESTERS	5 mg / CUBIC METER *	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 1 GALLON 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 > 370 °C	> 698 °F	SPECIFIC GRAVITY (H ₂ O = 1) TEMP. 23 °C / 73 °F	.97 - 1.12
VAPOR PRESSURE IN mm Hg (TEMP.) 73 °F	< .0000086	MELTING POINT	ca -49 °F
VAPOR DENSITY (AIR = 1) AT (mm Hg & TEMP.) 760 73 °F	> 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	< 2.9 mg / L	APPEARANCE AND ODOR SLIGHT CHARACTERISTIC ODOR, CLEAR, COLORLESS, OILY LIQUID	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (CUP METHOD USED) > 390 °F (199 °C) C.O.C.	FLAMMABLE LIMITS	LEL N.D.F.	UEL N.D.F.
EXTINGUISHING MEDIA CO ₂ , DRY CHEMICAL, FOAM, WATER SPRAY, OR ANY CLASS B EXTINGUISHING AGENT			
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.			

