

CARGILLE LABORATORIES, INC.

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

IDENTITY (AS USED ON LABEL AND MANUF. LITERATURE)	NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT				
CARGILLE IMMERSION LIQUID	APPLICABLE, OR NO INFORMATION IS AVAILABLE, THE SPACE MUST BE				
CODE 1160 RANGE n _D = 1.482 – 1.538	MARKED TO INDICATE THAT.				

SECTION 1					
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NUMBER				
CARGILLE LABORATORIES, INC.	WEEKDAY 973 - 239 - 6633 24 H	R CHEMTREC 800 - 424 - 9300			
ADDRESS (NUMBER, STREET, CITY, STATE, AND ZIP CODE)	TELEPHONE NUMBER FOR INFORMATION 973 – 239 - 6633				
55 COMMERCE ROAD	DATE PREPARED	SUPERCEDES PRIOR DATED			
	May 23, 2011	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 - HA	ZARDOU	S INGREDIENTS			;	SPECIFIC	CHEMICAL IDENT	TITY INFORMATION	NC		
HAZARDOUS	(COMMON NAME (S))			OSHA PEL CEILING		ACGIH TLV T.W.A.		OTHER LIMITS RECOMMENDED		% (OPTIONAL)	
COMPONENTS								RECOMMEND	LD		
TRADE SECRET	SECRET MIXED PHTHALATE ESTERS		s 5	5 mg/CUBIC METER* 5 mg/CUBIC METER*							
		WINES THITINESTE ESTERIO		o mg/ ooblo meren		o mg/ debio meren					
	*PE	EL CEILINGS & TLV T.W.A.S	IF ANY SHO	OULD	NOT OCCUR IF C.I.	.U. AND S	ECTIONS 7 & 8 FC	DLLOWED.			
NOTE: PRODUCT NO	ORMALLY	/ SOLD IN 4 OZ. TO 1 GALL	ON QUANTIT	IES. l	USED IN SINGLE DE	ROP TO A	FEW CUBIC CENT	IMETERS PER A	PPLIC	ATION.	
		FOR SPECIFIC QUANTITIES									
		CHEMICAL CHARACTERIS	IICS		00501510 0041/17		4 \ ==+= 00.00	1 / 70 OF		T	
BOILING POINT AT 7	BOILING POINT AT 760 mm Hg > 370 °C			SPECIFIC GRAVITY (F			$(H_2O = 1)$ TEMP. 23 °C / 73 °F			.97 – 1.12	
VAPOR PRESSURE IN mm Hg (TEMP.)			MELTING POINT								
73 °F <		<.00000	86				ca -49 °F				
VAPOR DENSITY (AIR = 1) AT (mm Hg & TEMP.)				EVAPORATION RATE AT 760 mm Hg & 23 °C / 73 °F							
		760 73 °F	>1	>1 (MINERAL OIL = 1)					< 1		
SOLUBILITY IN WATE	ER AT	(mm Hg & TEMP.)		APPEARANCE AND ODOR							
760 73 °F < 2.9			< 2.9 mg	/L	SLIGHT CHARACTERISTIC ODOR, CLEAR, COLORLESS, OILY LIQUID						
SECTION 4 - FIR	E AND E	XPLOSION HAZARD DATA									
FLASH POINT (CUP	METHO	USED)		F	LAMMABLE LIMITS	i	LEL	UE		iL	
	>390°	F (199°C) C.O.C.				N.D.I		F. N.D.F.		N.D.F.	
EXTINGUISHING MED	AIC										
		RY CHEMICAL, FOAM, WA	TER SPRAY	, OR A	ANY CLASS B EXTI	NGUISHIN	G AGENT				
SPECIAL FIRE FIGHT	ING PRO										
		NONE									
UNUSUAL FIRE AND	EXPLOS										
		NONE									
		Γ APPLICABLE; N.D.F. = N				CRET; N	E. = NOT ESTAB	LISHED;			
C.I.U. = CONDITIONS	S OF INTE	ENDED USE; < = LESS TH	IAN; > = GR	EATE	R THAN.						

SECTION 5 - REACTIVITY DA	IA							
STABILITY	UNSTABLE							
	STABLE	YES						
INCOMPATIBILITY (MATERIALS	AND / OR CONDITIONS	TO AVO	OID) NONE					
HAZARDOUS	MAY OCCUR		CONDITIONS TO A	VOID				
POLYMERIZATION	_		GONDINIONO 107					
	WILL NOT OCCUR	Х	NONE					
SECTION 6 - HEALTH HAZAR	PD DATA							
ROUTE (S) OF ENTRY:	INHALATION'	?	SKIN?	MUCOUS	S MEMBRANES / EYES?	INGESTION?		
(NOT LIKELY AT C.I.U.)	SLIGHT	•	SLIGHT	WIOOOO	SLIGHT	POSSIBLE		
HEALTH HAZARDS (ACUTE AND			OLIGITI		OLIGITI	1 OOOIBEE		
TIERETTI MERITIDO (MOGTE FINA		ONE KNO	OWN AT C.I.U.					
CARCINOGENICITY LISTED:	NTP?		IARC MOI	NOGRAPHS?	OSH	A CARCINOGEN?		
	NO			NO		NO		
SIGNS AND SYMPTOMS OF EXPO	SURE		OII V FFFI					
			OILY FEEL					
MEDICAL CONDITIONS GENERAL	LY AGGRAVATED BY E	XPOSU	RF					
INIEBIONE GONDINIONG GENERALE	.ET /\ddit/\\/\\TED DT E	-711 000	N.D.F.					
EMERGENCY AND FIRST AID PRO	OCEDURES: INCLUDE	POSSIE	RI E MATERIAL THAT	MAY HAVE BEEN MI	XED WITH LIQUID DURING U	SF		
INHALATION — (NOT LIKELY AT					NED WITH EIGOID DOMING OF	oc.		
INHALATION - (NOT LIKELT AT	C.I.U.) IF CONCERN A	ANIOES	, REMOVE TO FRESI	TAIN.				
SKIN AND CLOTHES — PROMPT	SOAP AND WATER WA	ASH.						
EYES - FLUSH WITH WATER, S	LIGHT TEMPORARY IR	RITATIO	ON POSSIBLE. CONS	ULT PHYSICIAN.				
INGESTION - LOW ORDER OF T	OXICITY, FIRST AID N	ORMALI	LY NOT NEEDED. CO	ONSULT PHYSICIAN.				
	,							
CECTION 7		****						
SECTION 7 - PRECAUTIONS				SEE SECTION 1				
STEPS TO BE TAKEN IN CASE MA				CONTAINER CAPO	R TWIST TIE CLOSURE (SEI	E SECTION 8)		
ABCOTE, TEXCE INTE	ZAONO (TOLILITIEL	INE OIL	TOETH HOLT TEENE /	3011711111211, 0711 0	TO THE OLOGOTIE (OL)	LOLOTION O).		
WASTE DISPOSAL METHOD:								
A	LL CHEMICAL DISPOSA	ALS MU	ST BE IN ACCORDAN	ICE WITH CURRENT	LOCAL, STATE, AND FEDERA	AL REGULATIONS.		
PRECAUTIONS TO BE TAKEN IN F	HANDLING AND STORIN	NG						
AVOID CON	AVOID CONTINUED EXPOSURE TO LIGHT STORE BETWEEN 39 °F AND 104 °F (4 °C AND 40 °C)							
OTHER PRECAUTIONS								
	N.	Α.						
SECTION 8 - CONTROL MEAS	SUBES: WHEN USED	AS INTE	NDED (SEE SECTION	ON 1)				
RESPIRATORY PROTECTION (S			NDED (OEE OEO IN	<u> </u>				
	,	E "VEN	ITILATION"					
VENTILATION	LOCAL EXHAUST				SPECIAL			
	*				N.A.			
	MECHANICAL (GENE	RAL)			OTHER			
			*		N.A.			
PROTECTIVE GLOVES				EYE PROTECTION *				
	POLYETHYLENE GLOV	/ES ARE	RECOMMENDED		•			
OTHER PROTECTIVE CLOTHING	OR EQUIPMENT		*					
* = NOT MANDATORY	EXCEPT AS GOOD LAF	BORATO	RY INDUSTRIAL PRA	ACTICES:				
* = 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.					