



CARGILLE LABORATORIES, INC.

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CATALOG #18181, 18182, 1818X, 1818Y

IDENTITY (AS USED ON LABEL AND MANUF. LITERATURE) CARGILLE REFRACTIVE INDEX LIQUID SERIES H $n_D = 1.81 - 2.00$	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 CHEMTEL: 800-255-3924 INTERNATIONAL +1-813-248-0585	TELEPHONE NUMBER FOR INFORMATION 973 - 239 - 6633
ADDRESS (NUMBER, STREET, CITY, STATE, AND ZIP CODE) 55 COMMERCE ROAD, CEDAR GROVE, NJ 07009	DATE PREPARED JUNE 2, 2011	SUPERCEDES PRIOR DATED MSDS FOR THIS MATERIAL
TRANSPORTATION DATA (49 CFR 172.101) D.O.T. PROPER SHIPPING NAME: ARSENIC COMPOUNDS, LIQUID, N.O.S. HAZARD CLASS: 6.1 PACKING GROUP: II U.N. IDENTIFICATION: UN1556 LABELS REQUIRED: POISON	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 REFRACTIVE INDEX LIQUID AT NORMAL ROOM PRESSURE (760 mm Hg), TEMPERATURE 65 °F TO 104 °F IN A NON MISTED / NON AIRBORN STATE IN A HOOD HAVING 80 - 100 FPM RATING, 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)
ARSENIC TRIBROMIDE	SAME	0.1 mg (As) / CUBIC METER * (**)			
ARSENIC DISULFIDE	ARSENIC BISULFIDE	0.1 mg (As) / CUBIC METER * (**)			
	1 - BROMONAPHTHALENE	N.E.		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.					
**DTLVS DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, N. IRVING SAX, 6 TH EDITION.					
NOTE: PRODUCT NORMALLY SOLD IN ¼ OZ. TO 1 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 220 °C	428 °F	SPECIFIC GRAVITY (H ₂ O = 1) TEMP. 23 °C / 73 °F	> 3.5
VAPOR PRESSURE IN mm Hg (TEMP.) 73 °F	< 1	MELTING POINT	< 32 °F
VAPOR DENSITY (AIR = 1) AT (mm Hg & TEMP.) 760 73 °F	> 1	EVAPORATION RATE AT 760 mm Hg & 23 °C / 73 °F (WATER = 1)	< 1
SOLUBILITY IN WATER AT (mm Hg & TEMP.) 760 73 °F	SLIGHT	APPEARANCE AND ODOR YELLOW BROWN LIQUID, CHARACTERISTIC ODOR	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (CUP METHOD USED) > 600 °F (316 °C) C.O.C.	FLAMMABLE LIMITS	LEL N.D.F.	UEL N.D.F.
EXTINGUISHING MEDIA DRY CHEMICAL OR CARBON DIOXIDE. DO NOT USE WATER.			
SPECIAL FIRE FIGHTING PROCEDURES USE N.I.O.S.H. / MESA APPROVED SELF-CONTAINED BREATHING APPARATUS			
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) WATER, STEAM				
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? POSSIBLE	SKIN? POSSIBLE	MUCOUS MEMBRANES / EYES? POSSIBLE	INGESTION? POSSIBLE
HEALTH HAZARDS (ACUTE AND CHRONIC). NOT LIKELY AT C.I.U.				
CARCINOGENICITY LISTED:	NTP? YES	IARC MONOGRAPHS? YES	OSHA CARCINOGEN? YES	
SIGNS AND SYMPTOMS OF EXPOSURE NO APPETITE, NAUSEA, BOWEL DISTURBANCES. MATERIAL HAS CHARACTERISTIC ODOR.				
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE BLOOD, KIDNEY AND NERVOUS SYSTEM, NOT LIKELY IF C.I.U.S AND SECTIONS 7 & 8 FOLLOWED.				
EMERGENCY AND FIRST AID PROCEDURES: INCLUDE POSSIBLE MATERIAL THAT MAY HAVE BEEN MIXED WITH LIQUID DURING USE. INHALATION – REMOVE TO FRESH AIR, ALLOW FOR REST PERIOD.				
SKIN & CLOTHES – SCRUB SKIN WITH SOAP AND WATER, HAND WASH SPOTTED CLOTHING.				
EYE - FLUSH WITH WATER. CONTACT PHYSICIAN.				
INGESTION – WASH LIPS, GARGLE, CONSULT PHYSICIAN FOR GASTRIC LAVAGE (BAL).				
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: DISPOSE OF AS ARSENIC COMPOUND. ALL CHEMICAL DISPOSALS MUST BE IN ACCORDANCE WITH CURRENT LOCAL, STATE, AND FEDERAL REGULATIONS.				
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING STORE BETWEEN 70 °F AND 85 °F (21 °C AND 29 °C)				
OTHER PRECAUTIONS N.A.				
SECTION 8 - CONTROL MEASURES; WHEN USED AS INTENDED (SEE SECTION 1)				
RESPIRATORY PROTECTION (SPECIFY TYPE) SEE "VENTILATION"				
VENTILATION	LOCAL EXHAUST MANDATORY, WORK IN FUME REMOVING HOOD. SEE SECTION 1 (C.I.U.)	SPECIAL	N.A.	
	MECHANICAL (GENERAL) *	OTHER	N.A.	
PROTECTIVE GLOVES MANDATORY, SURGICAL TYPE OVER POLYETHYLENE.	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.				