



Cargille Laboratories

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Material Safety Data Sheet

Revision Summary

Issue Date : 6/10/2009
 Supersedes : 8/10/2004

Section 1 : Product and Company Identification

Product Name : Cargille BK-7 Matching Liquid

Conditions of Intended Use : (ABBR. C.I.U.) As an Optical Immersion Liquid at normal room pressure (760 mm Hg), temperature 45 °F to 104 °F in a non misted / non airborne 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.

Always use and store within the C.I.U. parameters

This product is normally sold in quantities ranging from 1 fl. oz. to 1 gallon and used in quantities ranging between a single drop and a few cubic centimeters.

Manufacturer :
 Cargille Laboratories
 55 Commerce Rd
 Cedar Grove, NJ 07009
 USA

Emergency Contact Numbers :
 973-239-6633 - Cargille Laboratories (8:30 AM - 4:30 PM ET Weekdays)
 CHEMTEL: 800-255-3924 INTERNATIONAL +1-813-248-0585

Abbreviations used in this MSDS

- C.I.U. - Conditions of Intended Use
- C.O.C. - Cleveland Open Cup
- GL / GM - Good Laboratory / Good Manufacturing Procedures
- N/A - Not Applicable
- N.D.A. - No Data Available
- N.E. - Not Established
- TR.S. - Trade Secret

Section 2 : Hazardous Composition Identification

<u>Components</u>	<u>Common Name (s)</u>	<u>OSHA PEL Ceiling</u>	<u>ACGIH TLV T.W.A.</u>	<u>Other Limits Recommended</u>
Trade Secret	Mixed Phthalate Esters	5 mg / cubic meter **	5 mg / cubic meter **	
Trade Secret	Halogenated Alkenes	N.E.	N.E.	

** PEL Ceiling & TLV T.W.A. If any should not occur if C.I.U. and sections 7 & 8 followed.



Section 3 : Hazards Identification

Emergency Overview :	This product is not expected to present any unusual hazards in proper use as per the C.I.U.
Potential Health Effects :	None known at C.I.U.
Chronic Effects :	None known at C.I.U.

Section 4 : First Aid Measures

Eyes :	Flush with water, slight temporary irritation possible. (consult physician).
Skin Exposure :	Prompt soap and water wash. Do not use solvent for cleaning.
Inhalation :	(Not likely at C.I.U.) if concern arises, remove to fresh air.
Ingestion :	Low order of toxicity, do not induce vomiting. Consult physician.
Special Notes :	N/A

Section 5 : Fire Fighting Measures

Flash Point:	Starts to decompose at 320 °F (160 °C) C.O.C.
LEL / UEL :	N.D.A.
Extinguishing Media:	Treat as petroleum grease / oil fire, dry chemical, foam, water fog.
Personal Protective Equip. :	None
Special Procedures :	Use N.I.O.S.H. / MESA approved S.C.B.A. in confined areas.
Unusual Fire and Explosion Hazards:	This product releases toxic HCl fumes when heated above 399° F / 204° C
Hazardous Decomposition :	This product releases toxic HCl fumes when heated above 399° F / 204° C

Section 6 : Accidental Release Measures

Evacuation Procedures & Safety :	None necessary due to the small quantities involved and the physical properties of the material involved.
Containment of Spill :	Absorb using lab wipes. Place in plastic (polyethylene or polypropylene) container, cap or twist tie the closure.
Cleanup and Disposal of Spill :	All chemical disposals must be in accordance with current Local, State, Provincial, National and International regulations.
Environmental & Regulatory Reporting :	Product is insoluble in water. Prevent from entering sewers or drains.



Section 7 : Handling, Use and Storage

Min / Max Storage Temperature : 65 °F and 90 °F (18 °C and 32 °C)
 Handling : Use normal GM procedures. Minimize Contact.
 Storage : Avoid continual direct sunlight.

Section 8 : Exposure Controls / Personal Protection

Ingestion : Low order of toxicity, do not induce vomiting. Consult physician.
 Flush with water, slight temporary irritation possible. (consult physician).
 Eye Contact :
 Skin Contact : Prompt soap and water wash. Do not use solvent for cleaning.
 Respiratory Protection : (Not likely at C.I.U.) if concern arises, remove to fresh air.
 Exposure Guidelines :

(* = Not mandatory except as good laboratory and industrial practices. Always use good work practices as to housekeeping, personal hygiene, use of chemical lab apron, splash goggles, avoidance of vapors, prolonged or repeated skin contact.)

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Section 9 : Physical and Chemical Properties

Physical State : Liquid
 Color : Clear, light yellow
 Odor : Slight characteristic odor
 Specific Gravity (Water = 1) Temp. 73 °F / 23 °C : 1.3
 Vapor Density (Air = 1) at (mm Hg & temp.) 760 73 °F / 23°C : > 1
 Vapor Pressure in mm Hg (temp.) 73 °F / 23°C : NIL
 Boiling Point at 760 mm Hg : Decomposes
 Solubility in Water at (mm Hg & temp.) 760 23°C / 73 °F : NIL
 Evaporation rate at 760 mm Hg & 73 °F / 23 °C (mineral oil = 1): CA 1
 Pour Point: 14 °F / - 10 °C



Section 10 : Stability and Reactivity

Chemical Stability :	Stable
Hazardous Polymerization :	Will not occur
Conditions to Avoid :	None
Chemical Incompatibility :	Strong Oxidizing Agents, Iron, Zinc
Hazardous Decomposition :	This product releases toxic HCl fumes when heated above 399° F / 204° C

Section 11 : Toxicological Information

Acute Data

Ingestion :	None Known at C.I.U.
Skin Exposure :	None Known at C.I.U.
Eye Contact:	None Known at C.I.U.
Inhalation :	None Known at C.I.U.

Chronic Data

Not likely at C.I.U.
No evidence of carcinogenic activity.
No evidence of mutagenic activity.

Section 12 : Ecological Information

Eco-Acute Toxicity :	N.D.A.
Environmental Fate :	N.D.A.

Section 13 : Disposal Considerations

Procedure :	All chemical disposals must be in accordance with current Local, State, Provincial, National and International regulations.
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Section 14 : Transportation Information

Proper Shipping Name :	N/A
Hazard Class :	N/A
UN Number :	This product is not regulated by DOT
Special Information :	N/A
Packing Group :	N/A

Section 15 : Regulatory Information

Workplace Classification WHMIS:	Product is not considered hazardous
US & Puerto Rico TSCA Status :	Yes Toxic Substances Control Act Inventory
Canada DSL :	Yes Domestic Substances List
Europe EINECS:	Yes European Inventory of New and Existing Chemicals
Japan ENCS:	Yes Japanese Inventory of Existing and New Chemical Substances



Section 16 : Other Information

NFPA Ratings :

Health	Flammability	Reactivity	Special Provisions
1	1	1	

HMIS Ratings:

Health	Flammability	Reactivity	PPI
1	1	1	

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