

MATERIAL SAFETY DATA SHEET

GARGILLE IMMERSION OIL DF
CAROLINA BIOLOGICAL

Revised: 05/15/08
Replaces: 07/10/07
Printed: 05/20/08

1. PRODUCT DESCRIPTION

Product Name: Cargille Immersion Oil Types A and B
Product Code(s): 85-2980, 85-2982, 85-2984, 85-3000, 85-3002, 85-3004
85-3010, 85-3012
Size: 1, 4, and 16 oz.
Chemical Name: Does not apply
CAS Number: See section 2
Formula: See section 2
Synonyms: None listed
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principal Hazardous Components: Trade secret of Cargille Corp. - common names listed.

Hydrogenated Terphenyl: ACGIH-TLV 5mg/cubic meter; OSHA-PEL not established*

Terphenyl: ACGIH-TLV 5mg/cubic meter; OSHA-PEL 5mg/cubic meter*

Natural Hydrocarbons: ACGIH-TLV 5mg/cubic meter; OSHA-PEL 5mg/cubic meter* if misted

Polybutenes: ACGIH-TLV 5mg/cubic meter; OSHA-PEL 5mg/cubic meter* if misted

*See section 3. PEL ceilings and TLV TWA's if any should not occur if C.I.U. and sections 6, 7, and 8 followed.

3. HAZARD IDENTIFICATION

Emergency Overview: Oily feel, if liquid is misted or above 150F (not at C.I.U.), headaches and nausea possible.

*Conditions of Intended and normal Use (C.I.U.):As a microscope immersion oil at normal room pressure (760mm Hg), temperature 39F to 104F 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 6, 7, and 8.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes-Flush with water, slight temporary irritation possible(consult physician)

Skin and Clothes-Wash with soap and water promptly.

Ingestion-Low order of toxicity, First Aid normally not needed(consult physician)

Inhalation-Not likely at C.I.U. - If concern arises remove to fresh air.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): (Cup) >325F (163C) C.O.C.

NFPA Rating: None established

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Extinguisher Media:

Use dry chemical, CO2 or appropriate foam.

Flammable Limits in Air % by Volume: No data found

Autoignition Temperature:

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None indicated

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Eliminate all sources of ignition.

Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Store between 65F and 90F (18C and 32C)

Other Precautions: Avoid continual direct sunlight, vaporizing or atomizing

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical(General): Yes

Special: No

Other: Normal room air changes 2/hr.

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab apron, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight:

Melting Point: <32F

Boiling Point: 340C; 644F

Vapor Pressure: (at 73F) <0.1

Vapor Density(Air=1): (760mmHg 73F) ca 1

Specific Gravity(H2O=1): (temp 23C/73F) .9

Percent Volatile by Volume:

Evaporation Rate(mineral oil=1): ca 1

Solubility in Water: Negligible

Appearance and Odor: Light yellow, slight characteristic odor

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None

Incompatibility(Materials to Avoid): Strong oxidizers and heat above 150F

Hazardous Decomposition Products:

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Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: Not listed as a carcinogen

Effects of Overexposure:

Acute: See section 3

Chronic: None known at C.I.U.

Conditions Aggravated by Overexposure:

Target Organs: None identified

Primary Route(s) of Entry: Not likely at C.I.U.

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.

Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals		CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
		Name	Chemical List Category		

Cargille Immersion Oil Types A and B	No	No	No	No	No
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16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists

CAS Number..Chemical Abstracts Service Number

CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act

DOT.....U.S. Department of Transportation

IARC.....International Agency of Research on Cancer

mppcf.....million particles per cubic foot

N/A.....Not Available

NTP.....National Toxicology Program

OSHA.....Occupational Safety and Health Administration

PEL.....Permissible Exposure Limit

ppm.....parts per million

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RCRA.....Resource Conservation and Recovery Act
SARA.....Superfund Amendments and Reauthorization Act
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act