

MATERIAL SAFETY DATA SHEET

PARAFFIN OIL, WHITE
CAROLINA BIOLOGICAL

Revised: 06/11/09
Replaces: 05/15/08
Printed: 06/30/09

1. PRODUCT DESCRIPTION

Product Name: Paraffin Oil, White
Product Code(s): 87-9110, 87-9112
Size: 1 L, 4 L
Chemical Name: Paraffin oil
CAS Number: 8012-95-1
Formula: saturated aliphatic hydrocarbons
Synonyms: Mineral oil, white, light
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: Paraffin Oil, White (CAS#8012-95-1)
TLV and PEL units: ACGIH-TLV 5 mg/m³ (TWA), 10 mg/m³ (STEL)
OSHA-PEL 5 mg/m³ (TWA)

3. HAZARD IDENTIFICATION

Emergency Overview: May cause eye injury.
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 for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.
Skin - Thoroughly wash exposed area with soap and water. Get medical attention if irritation develops.
Ingestion - If swallowed, if conscious, give plenty of water and seek medical help. Never give anything by mouth to an unconscious person.
Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): 193 °C open cup
NFPA Rating: Health: 1
Fire: 1
Reactivity: 0

Extinguisher Media:

Use dry chemical, CO₂ or appropriate foam.

Flammable Limits in Air % by Volume: No information available

Autoignition Temperature: No information available

Special Firefighting Procedures:

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

Unusual Fire and Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products. Do not mix or store with strong oxidants like liquid chlorine or concentrated oxygen.

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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: Do not handle or store near heat, sparks, flame or strong oxidants.

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:	No

Protective Gloves:

Nitrile, 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:	No information available
Melting Point:	-18 °C
Boiling Point:	326-407 °C(620-765 °F)
Vapor Pressure:	<0.002 at 100 °F
Vapor Density(Air=1):	> 10
Specific Gravity(H2O=1):	0.83-0.860
Percent Volatile by Volume:	None
Evaporation Rate(H2O=1):	<0.01
Solubility in Water:	None
Appearance and Odor:	Viscous, clear, transparent water-white liquid; no odor

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Excessive temperature or heat

Incompatibility(Materials to Avoid): Strong oxidants like; liquid chlorine, concentrated oxygen, sodium or calcium hypochlorite, nitric acid.

Hazardous Decomposition Products: Fumes, smoke, and carbon monoxide, in the case of incomplete combustion

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: LD50 orl-mus: 22 gm/kg

Effects of Overexposure: A bland product. Low hazard at room temperatures.

Acute: See section 3

Chronic: No information available

Conditions Aggravated by Overexposure: Excessive temperature

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Target Organs: Eyes, skin
Primary Route(s) of Entry: Inhalation, eyes, skin

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		
Mineral Oil	No	No	No	No	No

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