



# SAFETY DATA SHEET

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*This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.*

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** IBF Bath Oil

### Other means of identification

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Constant temperature bath oil

**Uses advised against** No information available

### Supplier's details

#### **Supplier Address**

Cannon Instrument Company  
2139 High Tech Rd.  
State College, PA 16803-1733  
TEL: (814) 353-8000; (800) 676-6232

### Emergency telephone number

**Emergency Telephone Number** (800) 255-3924 Domestic CHEM-TEL Inc.  
+1 (813) 248-0585 Overseas CHEM-TEL Inc. (Please Call Collect)

## 2. HAZARDS IDENTIFICATION

### Classification

This product is not considered hazardous according to the criteria set within the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

Not classified

### Label Elements

#### **Physical and Health Hazards Not Otherwise Classified**

Not applicable.

#### **Precautionary Statements**

##### **Prevention**

- None

##### **General Advice**

- None

##### **Storage**

• None

**Disposal**

• None

**Other information**

May cause eye, skin, and respiratory tract irritation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
White mineral oil	8042-47-5	<100	-	-
2,6-Di-tert-butyl-p-cresol	128-37-0	<1	-	-

### 4. FIRST AID MEASURES

**Description of necessary first-aid measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation persists.
<b>Skin Contact</b>	Wash off with warm water and soap. Get medical attention if symptoms occur.
<b>Inhalation</b>	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention.

**Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects** Irritation.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific Hazards Arising from the Chemical** No information available.

**Explosion Data**

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid contact with skin, eyes and clothing. Refer to Section 8 for personal protective equipment.

### Environmental Precautions

**Environmental Precautions** See Section 12 for additional Ecological Information.

### Methods and materials for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Products** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
White mineral oil 8042-47-5	TWA: 5 mg/m <sup>3</sup> inhalable particulate matter excluding metal working fluids, highly & severely refined	TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	IDLH: 2500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 2 mg/m <sup>3</sup> inhalable fraction and vapor	(vacated) TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Long sleeved clothing. Protective gloves.  
**Respiratory Protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid.	<b>Appearance</b>	Colorless.
<b>Odor</b>	Hydrocarbon-like.	<b>Odor Threshold</b>	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
<b>pH</b>	No data available	None known
<b>Melting Point/Range</b>	No data available	None known
<b>Boiling Point/Boiling Range</b>	No data available	None known
<b>Flash Point</b>	229 °C	Closed cup
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
<b>upper flammability limit</b>	No data available	
<b>lower flammability limit</b>	No data available	
<b>Vapor Pressure</b>	No data available	None known
<b>Vapor Density</b>	No data available	None known
<b>Relative Density</b>	No data available	None known
<b>Specific Gravity</b>	0.86	at 15 °C
<b>Water Solubility</b>	Insoluble in water.	None known
<b>Solubility in other solvents</b>	Soluble.	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	35 cSt @ 40°C	None known

<b>Flammable Properties</b>	Not flammable
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available

**Other information**

<b>VOC Content (%)</b>	No data available
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## 10. STABILITY AND REACTIVITY

<b><u>Reactivity</u></b>	No data available.
<b><u>Chemical stability</u></b>	Stable under recommended storage conditions.
<b><u>Possibility of hazardous reactions</u></b>	None under normal processing.
<b><u>Hazardous Polymerization</u></b>	Hazardous polymerization does not occur.
<b><u>Conditions to avoid</u></b>	Keep away from open flames, hot surfaces and sources of ignition.
<b><u>Incompatible materials</u></b>	Strong oxidizing agents.
<b><u>Hazardous decomposition products</u></b>	Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Inhalation of mist may cause irritation to the respiratory system.
<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	May cause skin irritation and/or dermatitis. Repeated or prolonged contact may cause localized dermal effects including contact dermatitis, dry skin, or rash.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Numerical measures of toxicity - Product**

The following values are calculated based on chapter 3.1 of the GHS document:

**LD50 Oral** >5000 mg/kg; (ATE Mix)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
White mineral oil	> 5000 mg/kg ( Rat )	-	-
2,6-Di-tert-butyl-p-cresol	890 mg/kg ( Rat )	-	-

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Respiratory or Skin Sensitization** No information available.  
**Germ Cell Mutagenicity** No information available.  
**Carcinogenicity** Mineral oils are known to cause cancer because of carcinogenic components (e.g. benzene). The mineral oil in this product is highly refined and should not be considered a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
White mineral oil	A2			
2,6-Di-tert-butyl-p-cresol		Group 3	-	-

#### ACGIH: (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

#### IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to its Carcinogenicity to Humans

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
White mineral oil 8042-47-5		LC50 96 h: > 10000 mg/L (Lepomis macrochirus)		
2,6-Di-tert-butyl-p-cresol 128-37-0	EC50 72 h: = 6 mg/L (Pseudokirchneriella subcapitata) EC50 72 h: > 0.42 mg/L (Desmodesmus subspicatus)	LC50 48 h: = 5 mg/L (Oryzias latipes)	EC50 = 7.82 mg/L 5 min EC50 = 8.57 mg/L 15 min EC50 = 8.98 mg/L 30 min	

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

Chemical Name	Log Pow
White mineral oil	>6
2,6-Di-tert-butyl-p-cresol	4.17

**Mobility** No information available.

**Other Adverse Effects** No information available.

**Ozone** Not applicable

### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods</b>	Dispose of in accordance with local regulations.
<b>Contaminated Packaging</b>	Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

<b>Note:</b>	The information provided below may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional requirements and mode-specific, material-specific, or quantity-specific shipping requirements.
<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated

### 15. REGULATORY INFORMATION

#### International Regulations

<b>Ozone depleting substances</b>	Not applicable
<b>Persistent Organic Pollutants</b>	Not applicable
<b>Hazardous Waste</b>	Not applicable
<b>The Rotterdam Convention (Prior Informed Consent)</b>	Not applicable
<b>International Convention for the Prevention of Pollution from Ships (MARPOL)</b>	Not applicable

#### International Inventories

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>NDSL</b>	Complies
<b>EINECS</b>	Complies
<b>ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

#### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
White mineral oil	X	X	X		X
2,6-Di-tert-butyl-p-cresol	X	X	X		X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

**NFPA** Health Hazard 1 Flammability 1 Instability 0 Physical and Chemical Hazards -

**HMIS** Health Hazard 1 Flammability 1 Physical Hazard 0 Personal Protection X

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

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**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**