

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name **IBF Bath Oil**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Constant temperature bath oil

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier

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

For further information, please contact

E-mail Address No information available.

1.4. Emergency telephone number

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

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Not classified

Physical Hazards

None

2.2. Label Elements

Not classified

2.3. Other information

May be irritating to eyes, respiratory system and skin.

Section 3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
White mineral oil	232-455-8	8042-47-5	<100		No data available

2,6-Di-tert-butyl-p-cresol	204-881-4	128-37-0	<1	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 4 (H413)	No data available
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For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

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

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects Irritation.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Dam up. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13). Clean contaminated surface thoroughly.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

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

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	Austria	Belgium	Cyprus	Denmark
White mineral oil 8042-47-5					TWA: 1 mg/m ³
2,6-Di-tert-butyl-p-cresol 128-37-0		TWA: 10 mg/m ³	TWA: 2 mg/m ³		TWA: 10 mg/m ³
Chemical Name	Finland	France	Germany	Gibraltar	Greece
White mineral oil 8042-47-5	TWA: 5 mg/m ³		TWA: 5 mg/m ³ Ceiling / Peak: 20 mg/m ³ Repr*		
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 10 mg/m ³ STEL: 20 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³ Ceiling / Peak: 40 mg/m ³ Carc* Repr*		TWA: 10 mg/m ³
Chemical Name	Ireland	Italy	Lithuania	Luxembourg	Malta
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 10 mg/m ³ STEL: 30 mg/m ³	TWA: 2 mg/m ³ Carc*			
Chemical Name	The Netherlands	Norway	Poland	Portugal	Spain
White mineral oil 8042-47-5	TWA: 5 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³
2,6-Di-tert-butyl-p-cresol				TWA: 2 mg/m ³	TWA: 10 mg/m ³

128-37-0				Carc*	
Chemical Name	Switzerland		Sweden		The United Kingdom
White mineral oil 8042-47-5	TWA: 5 mg/m ³				
2,6-Di-tert-butyl-p-cresol 128-37-0	STEL: 40 mg/m ³ TWA: 10 mg/m ³ Carc*				TWA: 10 mg/m ³ STEL: 30 mg/m ³

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	Personal protection equipment should be chosen according to the CEN standards
Eye Protection	Safety glasses with side-shields.
Skin and Body Protection	Long sleeved clothing.
Hand Protection	Protective gloves.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls No information available.

Section 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical State	Liquid	Appearance	Colorless
Odor	Hydrocarbon-like		
<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>	
pH	No data available	None known	
Melting Point/Range	No data available	None known	
Boiling Point/Boiling Range	No data available	None known	
Flash Point	229 °C	Closed cup	
Evaporation rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limits in Air	No data available	None known	
Vapor Pressure	No data available.	None known	
Vapor Density	No data available.	None known	
Relative Density	No data available 0.86	None known	
Water Solubility	Insoluble in water.	None known	
Solubility in other solvents	Soluble in solvents.	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition Temperature	No data available	None known	
Decomposition Temperature	No data available	None known	
Viscosity	35 cSt @ 40°C	None known	
Explosive Properties	No information available		
Oxidizing Properties	No information available		

9.2. Other information

VOC Content (%) No information available

Section 10. Stability and reactivity**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions**10.4. Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11. Toxicological information

11.1. Information on toxicological effects**Acute Toxicity****Product Information****Inhalation**

Inhalation of mist may cause irritation to the respiratory system.

Eye Contact

Contact with eyes may cause irritation.

Skin Contact

May cause skin irritation and/or dermatitis. Repeated or prolonged contact may cause localized dermal effects including contact dermatitis, dry skin, or rash.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Acute Toxicity

100.9999% of the mixture consists of ingredient(s) of unknown toxicity.

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

LD50 Oral	6,600.00 mg/kg
LD50 Dermal	99,999.00 mg/kg
Gas	99,999.00 mg/L
Dust/Mist	99,999.00 mg/L
Vapor	99,999.00 mg/L

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)	-	-

Sensitization

No information available.

Mutagenic Effects

No information available.

Carcinogenic Effects

No information available.

Reproductive Toxicity

No information available.

Developmental Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration Hazard

No information available.

Section 12. Ecological information

12.1. Toxicity**Ecotoxicity Effects**

Contains no substances known to be hazardous to the environment at concentrations that would be significant.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
White mineral oil		LC50 96 h: > 10000 mg/L (Lepomis macrochirus)		
2,6-Di-tert-butyl-p-cresol	EC50 72 h: = 6 mg/L	LC50 48 h: = 5 mg/L	EC50 = 7.82 mg/L 5 min	

	(Pseudokirchneriella subcapitata) EC50 72 h: > 0.42 mg/L (Desmodesmus subspicatus)	(Oryzias latipes)	EC50 = 8.57 mg/L 15 min EC50 = 8.98 mg/L 30 min	
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12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

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

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods**Waste from Residues / Unused Products**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

Note:

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.

IMDG/IMO

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Marine Pollutant	None
14.6. Special Provisions	None
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.

14.5. Environmental hazard	None
14.6. Special Provisions	None
ADR	
14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

ICAO	
14.1. UN-Number	Not regulated.
14.2. Proper shipping name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

IATA	
14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None
14.6. Special Provisions	None

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

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

Legend

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

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed
 H319 - Causes serious eye irritation
 H315 - Causes skin irritation

H413 - May cause long lasting harmful effects to aquatic life

Key literature references and sources for data

www.ChemADVISOR.com/

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This safety data sheet complies with the requirements of Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006

General Disclaimer

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End of Safety Data Sheet