

Safety Data Sheet

Issue Date: 14-Oct-2019

Revision Date:

Version 1

1. IDENTIFICATION

Product Identifier

Product Name FLUID THERM 4

Other means of identification

Item# L-3580-05

Recommended use of the chemical and restrictions on use

Recommended Use

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number 832-399-1000
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Hazard Symbol N/A

Signal Word None

Precautionary Statement N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Propylene Glycol	57-55-6	30-100

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice No special measures required.

Eye Contact	Rinse opened eye for several minutes under running water. If irritation persists, see physician.
Skin Contact	Immediately rinse with water.
Inhalation	Supply fresh air; consult doctor in case of complaints
Ingestion	Do not induce vomiting without medical advice. Seek medical attention/advice.

Most important symptoms and effects

Symptoms	No data available
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Unsuitable Extinguishing Media Do not use straight streams.

Specific Hazards Arising from the Chemical Not determined.

Hazardous Combustion Products No data available

Protective equipment and precautions for firefighters

No data available

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Avoid breathing mists or vapors

Environmental Precautions Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for Containment Dike for later disposal

Methods for Clean-Up Absorb spillage with non-combustible, absorbent material

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place.

Incompatible Materials No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

None of the components have assigned exposure limits

Appropriate engineering controls

Engineering Controls	Maintain eye wash fountain in work area.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	If contact is likely, safety glasses with side shields are recommended.
Skin and Body Protection	If prolonged or repeated contact is likely, chemical, and oil resistant gloves and clothing are recommended.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations	Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquid	Odor
Appearance		Odor Threshold
Color		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	> 350°F	
Flash Point	> 210°F	
Upper / lower Flammability Limits	Not determined	
Flammability (Solid, Gas)	Not flammable	
Evaporation Rate	Not determined	
Vapor Density	Not determined	(Air=1)
Specific Gravity	Not determined	(1=Water)
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Dynamic Viscosity	Not determined	
VOC Content (%)	Not determined	

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Not reactive under normal conditions.
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<u>Chemical Stability</u>	Stable under normal conditions.
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<u>Possibility of Hazardous Reactions</u>	No data available
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<u>Conditions to Avoid</u>	No data available
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<u>Incompatible Materials</u>	No data available
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Hazardous Decomposition Products No data available**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

Eye Contact	No data available
Skin Contact	No data available
Inhalation	No data available
Ingestion	No data available

Information on physical, chemical and toxicological effects**Symptoms**

Eye	No data available
Skin	No data available
Inhalation	No data available
Ingestion	No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	No carcinogenic components identified
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Numerical measures of toxicity No data available**12. ECOLOGICAL INFORMATION****Ecotoxicity****Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Propylene glycol 57-55-6 5		LC50= 51400 mg/L Pimephales promelas 96 h LC50= 51600 mg/L Oncorhynchus mykiss 96 h	EC50 = 710 mg/L 30 min	EC50 > 10000 mg/L 48 h

Persistence/Degradability

Biodegradation: Expected to be slowly biodegradable. Natural carbon dioxide will slowly neutralize this material.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Propylene glycol 57-55-6 5	-0.92

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Propane-1,2-diol	Present		X	Present	X	X	X	Present	X	X

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 Chemical Substances/European 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

US Federal Regulations**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).

SARA 311/312 Hazard Categories

This material, as supplied, does not contain any substances subject to the requirements of SARA Sections 311/312 (40 CFR 370)

SARA 313

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

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)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Sec112 of the Clean Air Act

US State Regulations**California Proposition 65**

This product is not known to the state of California to cause cancer or reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propane-1,2-diol 57-55-6	X	-	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	None
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	Determined by end user

Issue Date: 14-Oct-2019

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Revision Note: Creation date for SDS. - DL

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text

End of Safety Data Sheet