



2151 34TH WAY N. - LARGO, FL 33771

(727) 531-8796 - WWW.FLO-TECINC.COM

SAFETY DATA SHEET

Product Name: Defoamer
SDS# 5160

Effective Date: March 1, 2024
Revision 1A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION

Product Name: De-Foamer
Synonyms: N/A
Recommended Uses: Anti-Foaming Agent
Recommended Restrictions: N/A

COMPANY IDENTIFICATION

Manufactured By: Flo-Tec Inc.
2151 34th Way N.
Largo FL 33771
(727) 531-8796

EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Telephone Number:
CHEM-TREC 800-424-9300

2. HAZARD(S) IDENTIFICATION

PHYSICAL HAZARDS: Not Classified

HEALTH HAZARDS: Not Classified

ENVIRONMENTAL HAZARDS: Not Classified

OSHA DEFINED HAZARDS: Not Classified

Label elements:

Hazard symbol: None

Signal Word: None

Hazard statement: The mixture does not meet the criteria
for classification.

Precautionary statement:

Prevention: Observe good industrial hygiene practices.

Response: Wash hands after handling.



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Storage: Store away from incompatible materials. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in accordance with local, regional, national, and international regulations.

Disposal: Dispose of contents and container in accordance with local, regional, national, and international regulations.

Hazard(s) not otherwise classified (HNOC): None known.

3. COMPOSITION INFORMATION

Manufactured from dimethylPolySiloxanes(PDMS), weights and percentages withheld as this product formulation is proprietary.

4. FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If breathing discomfort occurs and persists, see a medical doctor.

EYE CONTACT: Rinse with water. Get medical attention if irritation develops or persists.

SKIN CONTACT: Wash off with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Rinse mouth. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS (ACUTE & DELAYED): Direct contact with eyes may cause temporary irritation. Treat symptomatically.

NOTES TO PHYSICIAN: Refer to SDS for further information.



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5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: No known fire or explosion hazards known to be related to this product.

EXTINGUISHING MEDIA: Water fog. foam. Dry chemical powder. Carbon dioxide(CO₂). Use media suitable for the material that is burning. Do not use water jet as an extinguisher, as this will spread fire.

FIRE FIGHTING PROCEDURES: Move containers from area if it can be done safely. Cool fire-exposed containers with water from side. Use flooding quantities of water only. Use water spray to keep all containers cool. Fight fire from protected or removed distance. Chemical type extinguishers are not very effective. Use proper personal protective equipment and positive pressure self-contained breathing apparatus.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted.

HAZARDOUS COMBUSTION PRODUCTS: During fire, gases hazardous to health may be formed.

POLYMERIZATION: Will not occur.

STATIC DISCHARGE: N/A



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6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED: Always approach spills from upwind. Small spills may be absorbed with appropriate and compatible material (if approved by local and environmental agencies). For larger spills, dike well ahead of spill with non-reactive material such as sand. Stop flow of material if safe to do so. Never return spilled material to original containers for re-use. For waste disposal, see section 13 of this SDS.

PERSONAL PRECAUTIONS: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. For personal protection, see section 8 of this SDS.

ENVIRONMENTAL PRECUTIONS: Do not allow undiluted material to enter storm or sanitary sewer systems or the environment. Dispose in accordance with state, local and federal laws. Notify local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.

OTHER PRECAUTIONS: N/A

7. HANDLING AND STORAGE

General Handling	Store drums in upright position only. Transfer product from drums to process in a closed system. Empty drums as thoroughly as possible. Never return product to original container.
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Ventilation	Always handle product in a well-ventilated area.
Storage	Store in cool, dry, well-ventilated area. Avoid temperatures that would allow the liquid bulk temperature to freeze. Freezing will affect the physical condition and may damage material or container. DO NOT STORE IN DIRECT SUNLIGHT, or near sources of ignition or heat. Use first in, first out storage management. Protect from freezing.
Other Precautions	N/A

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limits: The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

U.S. Workplace Exposure Level (WEEL) Guides:

Components	Type	Value	Form
Propane-1,2-diol (CAS 57-55-6)	TWA	10 mg/m3	Aerosol

Biological Limit values: No biological exposure limits noted for the ingredient(s).

Exposure Guidelines:

US-California OELs: Skin designation.

1,4-dioxane (CAS 123-91-1) Can be absorbed through the skin.

US-Minnesota Haz Subs: Skin designation applies

1,4-dioxane (CAS 123-91-1) Skin designation applies.



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US-Tennessee OELs: Skin designation

1,4-dioxane (CAS 123-91-1) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

1,4-dioxane (CAS 123-91-1) Danger of cutaneous absorption.

US OSHA Table Z-1 Limits for Air Contaminants

1,4-dioxane (CAS 123-91-1) Can be absorbed through the skin.

PERSONAL PROTECTION:

EYES & FACE:

Wear safety glasses with side shields or face shield.

SKIN:

Wear appropriate chemical resistant gloves.

RESPIRATORY:

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection may be required based on the task hazards and potential for exposure.

THERMAL:

Wear appropriate thermal protective clothing, when necessary.

PROTECTIVE CLOTHING:

Heavy rubber or vinyl gloves. Rubber boots, vinyl or rubber protective suit to protect skin and clothing contact.



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APPROPRIATE ENGINEERING CONTROLS: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

General Hygiene Considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or using tobacco products. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: clear to hazy or milky white

Odor: mild

Specific Gravity (H₂O=1): 0.99-1.02 @ 25° C

Freezing Point: -40.27° C estimated

Initial Boiling Point: 348.52° F estimated

Flash Point: >212° F Pensky-Martens Closed Cup

Solubility in Water: Dispersible

pH (1% solution): 4-7 (1% in 50:50 IPA:H₂O)

Auto-Ignition Temperature: 746° F estimated



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10. STABILITY AND REACTIVITY

STABILITY/INSTABILITY

Reactivity:

The product is stable and non-reactive under normal conditions of use, storage and transport.

Stability:

Stable under normal conditions (expected shelf-life one year, when stored at temperatures <86° F.

Possibility of Hazardous Reactions:

No dangerous reaction known under normal use conditions.

Conditions to Avoid:

Contact with incompatible materials..

Incompatible Materials:

Acids, Bases, alkali's (organic).

Thermal Decomposition: N/A

HAZARDOUS POLYMERIZATION or DECOMPOSITION: N/A.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: Due to partial or complete lack of data the classification is not possible.

ACUTE HEALTH EFFECTS

Eyes: Irritation.

Skin: N/A.

Dermal: N/A



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Inhalation: No data for available for this product.

Ingestion: Severe Irritation

SENSITIZATION (ANIMAL AND HUMAN STUDIES):
No known significant effects.

DEVELOPMENTAL TOXICITY: No known significant effects.

CHRONIC TOXICITY AND CARCINOGENICITY:
No known significant effects.

IARC Monographs. Overall Evaluation of Carcenicity: Not Listed

OSHA Specifically Regulated Substances (29 CFR 1910-1001-1053):
Not Listed

US National Toxicology Program (NTP) Report on Carcinogens:
Not Listed

Reproductive toxicity: N/A

Aspiration Hazard: N/A

Chronic Effects: Prolonged inhalation may be harmful.

ACUTE TOXICOLOGY DATA:

Blended Product:

	Species	Test Results
Dermal		
LD50	Guinea Pig	3.333e+007 mg/kg
Oral		
LD50	Rat	579 g/kg



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Propane-1,2-diol (CAS 57-55-6)

	Species	Test Results
Oral		
LD50	Rat	30 g/kg

12. ECOLOGICAL INFORMATION

ECOTOXICITY: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Blended Product:

	Rate	Species	Test Results
Aquatic	LC50	Fish	53 53007.5195 mg/l, 96 hours
Acute	EC50	Algae	12684.2109 mg/l, 72 hours estimated

Propane-1,2-diol (CAS 57-55-6)

Aquatic (Acute)	Rate	Species	Test Results
Crustacea	EC50	Water Flea (Daphnia magna)	>10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	710 mg/l, 96 hours

Persistence and degradability: No data available.

Bioaccumulation potential: Proportion coefficient n-octanol / water (log Kow) propane-1,2-diol = -0.92



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Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects are expected from this component.

13. DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Collect and reclaim or dispose in sealed containers at a licensed waste disposal site or collection.

Waste from Residue/Unused Products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal Instructions).

Contaminated Packaging: Since emptied containers may retain product residue, follow label/SDS warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

U.S.D.O.T.

Proper Shipping Name:

Not regulated as dangerous goods. Ships under the name Product Name above.

IATA

Proper Shipping Name:



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Not regulated as dangerous goods. Ships under the name Product Name above.

IMDG

Proper Shipping Name:

Not regulated as dangerous goods. Ships under the name Product Name above.

15. REGULATORY INFORMATION

US Federal Regulations: This product is not known to be a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910-1200.

Toxic Substances Control Act (TSCA): All components of this mixture on the TSCA 8(b) inventory are designated "active".

TSCA Section 12(b) Export Notification(40CFR707, Subpt.D): Not Regulated

CERCLA Hazardous Substance List (40CFR302.4)
1,4-dioxane (CAS 123-91-1) = Listed

SARA 304 Emergency Release Notification: Not Regulated

OSHA Specifically Regulated Substances (29CFR1910.1001-1053):
Not Listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 302 Extremely hazardous substance: Not Listed
SARA 311/312 Hazardous Chemical: No
SARA 313 (TRI reporting): Not Regulated



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US State Regulations

US California. Candidate Chemicals List. Safer
Consumer Products Regulations (Cal. Code Regs, tit.
22, 69502.3, subd.(a)) 1,4-dioxane (CAS 123-91-1)

California Proposition 65

WARNING: This product can expose you to chemicals
including 1,4-dioxane, which is known to the
State of California to cause cancer. For more
information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed
date/Carcinogenic Substance: 1,4-dioxane (CAS 123-91-1)
Listed: January 1, 1988.

HMIS (Hazardous Materials Identification System)

Health 1, Flammability 1, Physical Hazard 0

NFPA Ratings

Health 1, Flammability 1, Instability 0

16. OTHER INFORMATION

Issue Date: 03-01-2024

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ADDITIONAL INFORMATION: N/A

Additional information about this product may be obtained
by calling Flo-Tec Inc. at 800-335-6832 or 727-531-8796.

HAZARDOUS RATING SYSTEM: Non-Rated

RECOMMENDED USES AND RESTRICTIONS
FOR INDUSTRIAL USE ONLY



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A partial list of examples include agricultural, turf, nursery, water treatment, irrigation, etc.

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