

THIS APPLIES TO UNDILUTED MATERIAL ONLY!



Safety Data Sheet

D-FOAM₅₅₂

SDS Revision Date: 08/03/2020

1. Product and Company Name

1.1. Product identifier

Product Identity

D-FOAM₅₅₂

Alternate Names

NA ID NO: 552.20

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

Intended use

See Product Label

Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name

Hydrus Detergents
2621 7th Avenue South
Estherville, IA. 51334

Emergency

1.4 Medical and Emergency Spill Information

**FOR EMERGENCY SPILL, LEAK, FIRE,
EXPOSURE
CALL 24/7**

CHEMTREC: (800) 424-9300
Outside U.S. (703) 527-3887

Customer Service: Hydrus Detergents

PHONE: (712) 765-1060
FAX: (712) 765-1062

2. Hazard identification of the product



DANGER

GHS CLASSIFICATION: Reproductive Toxicity Category 1B

Hazard Statements: May damage fertility or the unborn child.

Precautionary Statements

Prevention:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.

Response: IF exposed or concerned. Get medical advice or attention.

Storage

Store in a secure manner.

Disposal:

Dispose of in accordance with all federal, local, regional and international regulations.

Hazards Not Otherwise Classified: None Known

Percentage of Components with Unknown Acute Toxicity:

Oral: 12.5%

3. Composition/information on ingredients

<u>Component</u>	<u>CAS Number</u>	<u>% by WT.</u>
Proprietary Ingredient	Proprietary	< 8%
Methanol	67-56-1	<1.0%

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Inhalation

If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention immediately!

Eyes

Allow streaming water to flow over the face while blinking both eyes for 15 minutes for optimum irrigation. Get medical attention.

Skin

If on skin: Immediately flush skin with plenty of water for at least 15-minutes while removing contaminated clothing and shoes. Get medical attention immediately. Do not reuse clothing and shoes until cleaned.

Ingestion

If swallowed: Call a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

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

Overview

EYE CONTACT: May cause mild irritation. May cause temporary redness, temporary discomfort.

SKIN CONTACT: No hazard expected under normal use. Prolonged or repeated exposure may cause slight irritation.

SKIN ABSORPTION: No data available.

INHALATION: May cause mild irritation. Vapors or mists may irritate nose, throat, lungs. Vapors or mists may cause headache, nausea, vomiting, dizziness.

INGESTION: May cause mild irritation. May cause, gastrointestinal irritation, nausea, diarrhea.

5. Fire-fighting measures

5.1. Extinguishing media: Water spray, Alcohol resistant foam, dry chemical, carbon dioxide.

5.2. Fire Fighting Methods: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers.

5.3 Fire and Explosion Hazards: None known.

5.4 Hazardous Combustion Products: Silicon dioxide, Incompletely burned carbon compounds. Formaldehyde. Carbon Dioxide, Carbon Monoxide, Dimethylcyclsiloxanes.

6. Accidental release measures

6.1. Spill Clean-Up Procedures: Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit. Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. CAUTION: Spilled material may be slippery.

RELEASE NOTES: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the US, contact the US Coast Guard National Response Center toll free at 800-424-8802.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists or dust. Do not eat, drink or smoke in work area. Wash thoroughly after handling. Empty containers retain product residue (vapor, dust or liquid) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity or other source of ignition. They may explode and cause injury or death. Stir well before using. May generate formaldehyde at temperatures greater than 300 F (150 C)

7.2. Conditions for safe storage:

Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Do not freeze. See Section 10 for incompatible materials.

8. Exposure controls and personal protection

OSHA Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
Methanol	200 ppm TWA; 260 mg/m ³ TWA

ACGIH Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
Methanol	250 ppm STEL; 200 ppm TWA; (Skin)

NOTE:

- When heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

8.2. Exposure controls

Respiratory

Respiratory protection may be required to avoid overexposure when handling this product. If exposure limits are exceeded, wear NIOSH-Approved organic respirator. NIOSH-Approved Supplied Air Respirator (SAR). NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29CFR1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Eyes/Face Protection

Wear chemical safety goggles while handling this product.

Skin Protection

Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical-resistant. Impervious.

Engineering Controls

General room ventilation is required. Maintain adequate ventilation. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly. Local exhaust ventilation may be necessary for some operations.

Other Work Practices

Facilities storing or using this material should be equipped with an eyewash facility and a safety shower. Good personal hygiene practices should always be followed.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and chemical properties

Appearance	Opaque, White Liquid
Odor	Mild oily odor
Odor threshold	Not Measured
pH	ND
Melting point / freezing point	ND
Initial boiling point and boiling range	ND
Flash Point	NA
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	ND
Vapor Density	ND
Specific Gravity	0.995 @ 25 Deg. C.
Solubility in Water	Appreciable
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	NA
Decomposition temperature	Not Measured
Viscosity (cSt)	900 CPS

9.2. Other information: No other relevant information.

10. Stability and reactivity

10.1. Reactivity: No Data Available

10.2. Chemical stability: Stable under normal ambient conditions of temperature and pressure.

10.3. Possibility of hazardous reactions: Hazardous polymerization will not occur under normal conditions. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 dg. C (302 deg. F.) through oxidation.

10.4. Conditions to avoid: Do Not Freeze

10.5. Incompatible materials: Oxidizing agents, strong acids, strong bases.

10.6. Hazardous decomposition products: Thermal decomposition may release incompletely burned carbon compounds. Carbon monoxide, Carbon dioxide. Formaldehyde. Dimethylcyclosiloxanes.

11. Toxicological information

Component

Proprietary Ingredient
Methanol

Oral LD50

No Data
Rat: 5628 mg/kg

Dermal LD50

Rabbit: >16 ml/5g
No Data

Inhalation LC50

7H Rat: >8,750.0 mg/m³
4H Rat: 83.2 mg/L

Acute Toxicity Estimate (ATE):

Inhalation Dust/Mist: 10,4000 mg/L

Routes of Exposure: Eyes, Ingestion, Inhalation. Skin absorption

Eye Contact: May cause mild irritation. May cause temporary redness, temporary discomfort.

Skin Contact: No hazard expected under normal use. Prolonged or repeated exposure may cause slight irritation.

Skin Absorption: No data available

Inhalation: May cause mild irritation. Vapors or mists may irritate; nose, throat, lungs. Vapors or mists may cause headache, nausea, vomiting, dizziness.

Ingestion: May cause mild irritation. May cause gastrointestinal irritation, nausea, diarrhea.

Medical Conditions Aggravated by Exposure to Product: None known.

Other: Chronic: Repeated or prolonged exposure to methanol can cause liver and kidney damage, central nervous system effects, blindness and possible effect to the fetus. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 deg. F. (150 deg. C.) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard.

Cancer Information: This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC or OSHA.

12. Ecological information

12.1. Toxicity

No data available

Chemical Fate Information: No data available

13. Disposal considerations

13.1. Hazardous Waste Number: NA

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Since emptied containers retain product residue, follow label warnings even after container is emptied. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable DOT Label: ---	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG		Marine Pollutant: No	
14.6. Special precautions for user: RQ: 5,000 lbs. (Methanol)			

15. Regulatory information

TSCA Inventory Status: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA TITLE II SECTION 311/312 CATEGORY HAZARDS:

<u>Immediate (Acute)</u>	<u>Delayed (Chronic)</u>	<u>Fire Hazard</u>	<u>Pressure Release</u>	<u>Reactive</u>
NO	YES	NO	NO	NO

REGULATED COMPONENTS:

<u>Component</u>	<u>CAS NUMBER</u>	<u>CERCLA RQ</u>	<u>SARA EHS</u>	<u>SARA 313</u>	<u>U.S. HAP</u>	<u>WI HAP</u>	<u>PROP 65</u>
Methanol	67-56-1	Yes	No	Yes	Yes	No	Yes

- **Prop 65-May contain the Following Trace Components:**

This product may contain a detectable level of chemicals subject to California's Proposition 65

HAZARD RATING SYSTEM:

Health: 1*
Flammability: 0
Reactivity: 0
*=Chronic Health Hazard

NFPA Rating System

Health 1
Flammability: 0
Reactivity: 0
Special Hazard None

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We believe this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act. We believe the information contained on this Safety Data Sheet is current and offered in good faith. The information is provided for your guidance only. Hydrus Detergents makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. It is the user's obligation to determine the suitability of this product for a specific purpose and the conditions for safe use of the product. We reserve the right to revise this Safety Data Sheet as newer information becomes available. Hydrus Detergents makes no warranty of any kind.

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