



## Product Safety Data Sheet

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### Section 1: Identification

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**Product Name:** **DF-488**

**Function:** Process Defoamer

**Manufacturer:** Heritage Systems, In. 2471 Solano Ave Suite 141 Napa, CA. 94558

**Phone Number:** 517-546-7800

**Emergency Phone Number:** INFOTRAC, 800-535-5053

**SDS Issue Date:** April 1, 2015

**Revision Number:**

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### Section 2: Hazard Identification

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**Hazard Classifications:** Irritant

**Signal Word:** WARNING!

- CAUSES EYE IRRITATION

**Precautionary Statements:**

- Contains fatty alcohol. Use protective eyewear when handling.
- Prevent spills from contaminating natural waterways and sewer systems.
- In case of ingestion, DO NOT induce vomiting. Seek immediate medical attention.

**Non-Classified Hazards:** None

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### Section 3: Hazardous Ingredients

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<u>Ingredient Name</u>	<u>CAS Number</u>	<u>net % by weight</u>
Fatty alcohols, C20+	68603-17-8	5 - 12

## Safety Data Sheet for: **DF-488**

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### Section 4: First Aid Procedures

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- Skin Contact: Product is not expected to irritate skin with short term contact. Remove contaminated clothing and cleanse contact area thoroughly with soap and water. Seek medical attention if irritation develops.
- Eye Contact: Contact with eyes may cause irritation. Immediately flush eyes with water or ophthalmic rinse solution; continue flushing with water for 15 minutes to remove any residual material. Seek medical attention if irritation persists.
- Inhalation: Inhalation (aspiration) of product mists may cause respiratory irritation or injury. Move victim to fresh air. If breathing is difficult, provide oxygen. If irritation persists, seek medical attention.
- Ingestion: Ingestion of large quantities may produce nausea and/or gastrointestinal symptoms. DO NOT induce vomiting, which may cause harmful aspiration of mists into lungs. If victim is conscious, provide water or milk to dilute stomach contents. Get immediate medical attention.

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### Section 5: Fire-Fighting Measures

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- Special Hazards: Product may burn if exposed to high temperatures. Wear self-contained breathing apparatus.
- Extinguishing Media: For small fires, use A-B-C fire extinguisher. Large fires may be extinguished with any media suitable for the surrounding fire.

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### Section 6: Accidental Release Measures

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- First Responders should wear all recommended personal protective equipment outlined in Section 8. For large spill cleanup, personnel should wear protective boots and a chemical-resistant splash suit or coveralls.
- Prevent spills from contaminating natural waterways or municipal sewer systems. Use chemical-resistant spill control socks/booms to minimize spread of spill.
- Reclaim as much spilled material as possible and return to original container. Flush spill residue to drain with water or absorb residue with oil absorbent material and shovel into closable container for disposal.

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### Section 7: Storage and Handling

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- Store at room temperature, away from extreme heat sources. Keep container closed when not in use.
- Use containment devices to prevent uncontrolled spills.
- Do not eat, drink, or smoke while handling product; wash thoroughly with soap after handling.

# Safety Data Sheet for: **DF-488**

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## Section 8: Personal Protection and Exposure Controls

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### Protective Equipment Requirements:

1. Safety glasses
2. Chemical-resistant gloves

Airborne Exposure Limits

Hazardous Ingredient

Exposure Limit

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## Section 9: Physical and Chemical Properties (n.a. = not available)

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- Appearance: White-beige opaque liquid
- Odor: Mild, characteristic
- pH, neat: n.a.
- Specific Gravity: 0.98
- Water solubility: Emulsifiable
- Freezing/Boiling points, degrees F: ~ 32 / 212
- Viscosity: 3,000 cps
- Flash point, degrees F: > 200
- Upper/Lower explosive limits: n.a.
- Auto-ignition temperature, degrees F: n.a.
- Decomposition temperature: n.a.
- Vapor pressure/density: n.a.
- Evaporation rate: n.a.
- Octanol/Water partition coefficient: n.a.

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## Section 10: Stability and Reactivity

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Chemical Stability: This product is stable under normal storage and use conditions. Keep container closed and prevent exposure to excessive heat.

Reactivity: Product contains organic compounds and may react violently with strong oxidizing materials.

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## Section 11: Toxicological Information

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Likely route(s) of exposure: eye/skin contact (irritation)

\*Toxicity values are estimated using aggregate ingredient toxicities.

- Acute oral toxicity: LD<sub>50</sub>, rat = unknown
- Acute dermal toxicity: LD<sub>50</sub>, rabbit = unknown

Carcinogenicity/Teratogenicity: No ingredients listed by IARC, NTP, or OSHA.

# Safety Data Sheet for: **DF-488**

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## Section 12: Ecological Information

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a. Aquatic Toxicity

Rainbow trout, 96 hr LC<sub>50</sub> = > 100 mg/l (estimated)

Daphnia magna, 48 hr EC<sub>50</sub> = > 100 mg/l (estimated)

Product is insoluble in water not expected to be directly toxic to aquatic organisms. Prevent spills from entering natural waterways and sewer systems.

b. Biodegradability

Product is expected to be readily biodegradable.

c. Environmental Fate

No data regarding environmental fate are available.

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## Section 13: Disposal Considerations

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Personnel responding to spills of this product should wear safety glasses, chemical-resistant coveralls, gloves, and boots.

Product should be used up, if possible, or stored in sealed drums for proper disposal at a licensed waste facility.

Empty containers should be triple-rinsed with water prior to recycling or disposal.

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## Section 14: Transport Information

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**FOR TRANSPORT EMERGENCIES, CONTACT CHEMTREC, 1-800-424-9300**

Proper shipping description: Compound, Defoaming, NOI

DOT Hazard Class(es): Not regulated

CERCLA Reportable Spill Quantity (RQ) = No RQ

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## Section 15: Regulatory Information

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<u>Regulation</u>	<u>Applicable</u>	<u>Notes</u>
OSHA Hazardous Material	Yes	Irritant
CERCLA Reportable Spill Quantity (RQ)	No	
EPCRA Section 302 Extremely Hazardous Substance	No	
EPCRA Section 311 Hazardous Material	Yes	Acute hazard
EPCRA Section 312 Hazardous Chemical Inventory	Yes	TPQ = 10,000 lbs.
EPCRA Section 313 Toxic Chemical	No	

# Safety Data Sheet for: **DF-488**

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## Section 16: Additional Information

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<b><u>HMIS Hazard Rating</u></b>	
Health	1
Flammability	0
Reactivity	0
Personal Protection	B

0 = minimal

1 = slight

2 = moderate

3 = serious

4 = severe

Code B = safety glasses and chemical-resistant gloves