

DHF Dehydrator Flush

Concentrated dehydrator cleaning flush

Controlled safety source: SDS_DHF.pdf, SDS UC-014, revision January 20, 2026. This TDS does not replace the current Safety Data Sheet.

PRODUCT OVERVIEW

DHF Dehydrator Flush is a concentrated cleaning product intended for dehydrator-cleaning applications. The approved operating source establishes the dilution but does not establish a universal circulation time, temperature, flow rate, pressure, or equipment-specific cleaning procedure.

Recommended use	Degreaser	Physical state	Liquid
Appearance / odor	Red liquid / pleasant	pH	14.0 concentrate; 12.5 at 10%; 12.0 at 5%; 10.2 at 1%
Water solubility	Completely soluble	Boiling point	100 C / 212 F
Flash point	Non-flammable	Transport	UN1814 Potassium hydroxide solution, Class 8, PG II
GHS	GHS05 Corrosion; Danger	NFPA	2-0-0

APPROVED DILUTION

MIX 1:4 - ONE PART DHF TO FOUR PARTS DEIONIZED WATER.

- Dilution notation is product:water.
- Use deionized water. Do not substitute untreated process water, tap water, coolant, glycol, or another chemical unless specifically authorized.
- Measure both components accurately and prepare only the quantity required for the approved job scope.
- Add and mix in a compatible, properly labeled container or approved system.
- Do not combine DHF with acids, bleach, ammonia, oxidizing agents, or unknown chemicals.

SHIPPING, PACKAGE AND LOGISTICS

Strength Variant	Physical Package	SKU	Gross Weight	Dimensions	NMFC	Class
Standard	55 Gallon Drum	DHF055	504 lb	23.5 x 23.5 x 35 in	48580	70
Standard	250 Gallon Tote	DHF250	2,350 lb	40 x 47 x 46 in	48580	70
Double Strength	250 Gallon Tote	DHF500	2,350 lb	40 x 47 x 46 in	48580	70
Triple Strength	250 Gallon Tote	DHF750	2,350 lb	40 x 47 x 46 in	48580	70

Transport: DOT, IATA and IMDG: UN1814, Potassium hydroxide solution, Class 8, Packing Group II. The controlled/reference gross weight for the 250-gallon tote is 2,350 lb; the master matrix flags a live-Shopify 235 lb entry as an obvious anomaly. NMFC 48580 / Freight Class 70 is the current master-matrix value.

NFPA 704



Health	2	Moderate health hazard
Flammability	0	Non-flammable
Instability	0	Stable under normal conditions
Special	—	Not determined

GHS HAZARD COMMUNICATION

	GHS05 Corrosion Danger Causes severe skin burns and eye damage.
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SAFE HANDLING AND REQUIRED CONTROLS

- Keep product out of the eyes and avoid prolonged skin exposure.
- Wear safety glasses; use goggles where splashing may occur.
- Wear impervious protective clothing appropriate to the quantity and concentration handled.
- Ensure adequate ventilation, especially in confined areas.
- If vapor formation occurs, use a respirator with an approved filter under the site respiratory-protection program.
- Keep eyewash stations and safety showers close to the work area.
- Wash hands, face, and exposed skin thoroughly after handling.
- Concentrated product on floors may be slippery. Isolate and clean the area promptly.

OPERATING CONTROL

1. Review the current DHF SDS and the approved job-specific dehydrator-cleaning procedure.
2. Confirm equipment compatibility, isolation, containment, waste routing, and access to emergency equipment.
3. Prepare DHF at the controlled 1:4 ratio using deionized water.
4. Introduce the mixed solution only through the approved equipment-specific method.
5. Follow the approved job procedure for circulation, soaking, flushing, drainage, rinsing, drying, or return-to-service steps.
6. Do not infer or establish contact time, circulation time, temperature, pressure, flow rate, or equipment setup from this TDS.
7. Document DHF lot number, concentrate quantity, deionized-water quantity, final mixture quantity, equipment identification, and waste disposition.

FIRST AID FROM CURRENT SDS

Exposure	Current SDS direction
Eyes	Immediately flush with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes.
Skin	Immediately flush affected skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation	Remove to fresh air.
Ingestion	Induce vomiting. Drink a large quantity of milk. Immediately call a poison center or doctor/physician.

Emergency contact: INFOTRAC 1-800-535-5053 North America; 1-352-323-3500 International.

STORAGE AND INCOMPATIBILITIES

- Keep the container tightly closed in a cool, dry, and well-ventilated place.
- Store locked up and out of reach of children and pets.
- Protect from freezing; if frozen, thaw completely before use.
- Store away from acids, bleach, ammonia, oxidizing agents, and other incompatible materials.
- Keep concentrate in its original properly labeled container.
- Do not return unused mixed solution to the concentrate container.

SPILL, FIRE AND ENVIRONMENTAL HANDLING

- Stop further leakage or spillage if safe to do so.
- Use appropriate PPE during cleanup.
- Absorb with inert material and transfer recovered material to a properly labeled container.
- Residue may be neutralized with citric acid or another approved neutralizing agent for basic materials under an approved procedure.
- Use extinguishing measures appropriate to local circumstances and the surrounding environment; water may cool exposed containers.
- Firefighters should use self-contained breathing apparatus and full protective gear.
- The product is not classified as environmentally hazardous, but large or frequent spills may still be harmful.
- The SDS lists the product as readily biodegradable.
- Prevent large or repeated releases to soil, drains, surface water, or groundwater-sensitive areas.
- Dispose of concentrate, mixed solution, absorbent, and containers according to applicable laws and site requirements.
- Do not rely on general SDS drain-disposal language without confirming local and site discharge authorization.

TRANSPORTATION AND REGULATORY PROFILE

Mode / Field	Controlled value
DOT	UN1814, Potassium hydroxide, solution, Class 8, Packing Group II
IATA	UN1814, Potassium hydroxide, solution, Class 8, Packing Group II
IMDG	UN1814, Potassium hydroxide, solution, Class 8, Packing Group II
CERCLA RQ	No RQ identified in the current SDS
California Proposition 65	Current SDS states this product does not contain Proposition 65 chemicals.

DOCUMENT CONTROL

Product	DHF Dehydrator Flush
Product code	DHF
Safety source	SDS_DHF.pdf SDS UC-014 revision January 20, 2026 Version 1
Operational source	DHF_TDS.PDF Revision 1, August 4, 2026
Shipping source	2026 Ultimate Chemicals Product Shipping Specs Matrix.xlsx
NFPA asset	NFPA_2-0-0.svg
GHS	GHS05_Corrosion.png
Header artwork	Approved Ultimate Chemicals logo upper left; approved DHF product logo upper right
Footer artwork	Approved glow logo

QUICK ACCESS

Scan the QR code or select the printed URL. Each printed URL is embedded as a clickable PDF hyperlink.

PRODUCT PAGE



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TDS



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