PO4FIX Phosphate Fix

Ready-to-use cooling-system flush for excessive phosphate contamination

Controlled safety source: SDS_PO4FIX.pdf, SDS UC-027, revision January 20, 2026. This TDS does not replace the current Safety Data Sheet.

PRODUCT OVERVIEW

PO4FIX Phosphate Fix is a cooling-system flush used for excessive phosphate contamination when selected by an approved diagnostic recommendation. It may be used by itself or as part of an approved combination procedure, depending on the diagnosed cooling-system condition.

Primary use	Removal of excessive phosphate deposits and related cooling-system buildup	**Physical state**	Liquid
Appearance / odor	Clear liquid / slight acidic	**pH**	2.0-2.5
Specific gravity	1.26	**Water solubility**	Completely soluble
Boiling point	102 C / 216 F	**Flash point**	Non-flammable
Transport	UN1805 Phosphoric acid solution, Class 8, PG III	**NFPA**	2-0-0

READY-TO-USE REQUIREMENT

NO DILUTION - PO4FIX IS READY TO USE AND SHOULD NEVER BE DILUTED.

- Use PO4FIX exactly as supplied.
- Do not add water to the product before use.
- Do not mix PO4FIX with another product unless the selected published procedure specifically requires the combination.
- This TDS does not select a standalone or combination flush procedure. Use only the procedure selected for the diagnosed cooling-system condition.

SHIPPING, PACKAGE AND LOGISTICS

Variant	Physical Package	SKU	Gross Weight	Dimensions	NMFC	Class
Standard	5 Gallon Bucket	PO4FIX005	45 lb	10.25 x 10.25 x 14.75 in	44155	70
Standard	55 Gallon Drum	PO4FIX055	504 lb	23.5 x 23.5 x 35 in	44155	70
Standard	250 Gallon Tote	PO4FIX250	2,250 lb	40 x 47 x 46 in	44155	70
Double Strength	250 Gallon Tote	PO4FIX500	2,250 lb	40 x 47 x 46 in	44155	70
Triple Strength	250 Gallon Tote	PO4FIX750	2,250 lb	40 x 47 x 46 in	44155	70

Current SDS transport classification: UN1805, Phosphoric acid solution, Hazard Class 8, Packing Group III for DOT, IATA and IMDG. The SDS states that the material may meet the definition of a marine pollutant. NMFC 44155 / Freight Class 70 is the current controlled 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
Skin corrosion/irritation Category 1B.
Serious eye damage Category 1.
Causes severe skin burns and eye damage.
Other hazard: toxic to aquatic life with long lasting effects.

SAFE HANDLING AND REQUIRED PPE

- PO4FIX is corrosive. Prevent skin and eye contact.
- Wear chemical splash goggles and a face shield.
- Wear suitable chemical-resistant gloves and protective clothing.
- Do not breathe mist, vapor or spray.
- Ensure adequate ventilation, especially in enclosed or confined areas.
- Use respiratory protection when ventilation is inadequate under the site respiratory-protection program.
- Keep eyewash stations and emergency showers immediately accessible.
- Wash face, hands and exposed skin thoroughly after handling.

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.
- Protect from freezing; if frozen, allow the product to thaw completely before use.
- Store away from strong alkalis, bleach, ammonia and other incompatible materials.
- Keep product in a compatible, properly labeled container.

PROCEDURE CONTROL

This TDS intentionally does not reproduce or select a complete flush procedure. PO4FIX may be used alone or in an approved combination procedure depending on the diagnosed cooling-system condition.

Download and follow the selected complete procedure: https://ultimatechemicals.com/pages/steps

- Use only the procedure selected for the specific diagnostic recommendation.
- Do not infer a standalone or combination procedure from this TDS.
- Do not mix with another product unless the selected published procedure specifically requires that combination.
- Follow the published procedure for draining, filling, operating time, temperature, rinsing, refill chemistry, verification and return to service.

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 skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
Ingestion	DO NOT induce vomiting. If conscious, give several glasses of milk (preferred) or water. Immediately call a poison center or doctor/physician.

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

SPILL, FIRE AND ENVIRONMENTAL HANDLING

- Stop further leakage or spillage if safe to do so.
- Neutralize only under an approved spill procedure using soda ash or another acid-neutralizing agent.
- Soak up with inert absorbent material and transfer recovered material to properly labeled containers.
- Suitable extinguishing media: dry chemical, carbon dioxide, or water spray/fog.
- Firefighters should use self-contained breathing apparatus and full protective gear.
- Hazardous combustion or decomposition products may include oxides of phosphorus.
- PO4FIX is toxic to aquatic life with long lasting effects.
- Do not discharge PO4FIX, spent flush, or contaminated rinse water to storm drains, soil, surface water or groundwater-sensitive areas.
- Collect old coolant, spent PO4FIX and rinse water in compatible, properly labeled containers.
- Manage recovered materials under applicable site, local, state and federal requirements.

TRANSPORTATION AND REGULATORY PROFILE

Mode / Field	Controlled value
DOT	UN1805, Phosphoric acid solution, Class 8, Packing Group III
IATA	UN1805, Phosphoric acid solution, Class 8, Packing Group III
IMDG	UN1805, Phosphoric acid solution, Class 8, Packing Group III
Marine pollutant	Current SDS: this material may meet the definition of a marine pollutant.
CERCLA RQ	5,000 lb for phosphoric acid
California hazardous waste	Phosphoric acid listed as corrosive in the current SDS.
California Proposition 65	Current SDS states this product does not contain Proposition 65 chemicals.

DOCUMENT CONTROL

Product	PO4FIX Phosphate Fix
Product code	PO4FIX
Safety source	SDS_PO4FIX.pdf | SDS UC-027 | revision January 20, 2026 | Version 1
Operational source	PO4FIX_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 asset	GHS05_Corrosion.png
Header artwork	Approved Ultimate Chemicals logo upper left; MASTER_PRODUCT_LOGO_PO4FIX_TRANSPARENT.png upper right
Program/footer artwork	Approved Zero Hour Certified Cooling System badge
Procedures URL	https://ultimatechemicals.com/pages/steps

QUICK ACCESS

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

PRODUCT PAGE	SDS	TDS	PROCEDURES
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