

PMF Preventive Maintenance Flush

Concentrated cooling-system flush for preventive cleaning and degraded coolant conditions

Controlled safety source: SDS_PMF.pdf, SDS UC-008, revision January 20, 2026. This TDS does not replace the current Safety Data Sheet.

PRODUCT OVERVIEW

PMF Preventive Maintenance Flush is a concentrated cooling-system flush used when selected for preventive cleaning, silicate dropout, mild oil contamination or degraded coolant chemistry.

Recommended use	Dissolves buildup in cooling systems	Physical state	Liquid
Appearance / odor	Clear liquid / pleasant	pH	8.5-9.5
Water behavior	Emulsifies	Boiling point	100 C / 214 F
Flash point	Non-flammable	Transport	Not regulated
Hazard classification	Not classified as a hazardous substance or mixture	NFPA	1-0-0

APPROVED DILUTION

THOROUGHLY MIX 1:1 - ONE PART PMF TO ONE PART DEIONIZED WATER.

- Dilution notation is product:water.
- Example: 5 gallons PMF plus 5 gallons deionized water produces 10 gallons of working solution.
- Example: 25 gallons PMF plus 25 gallons deionized water produces 50 gallons of working solution.
- Thoroughly mix before filling the cooling system.
- Use deionized water only. Do not substitute untreated water.

SHIPPING, PACKAGE AND LOGISTICS

Variant	Physical Package	SKU	Gross Weight	Dimensions	NMFC	Class
Standard	5 Gallon Bucket	PMF005	44 lb	10.25 x 10.25 x 14.75 in	48580	70
Standard	55 Gallon Drum	PMF055	484 lb	23.5 x 23.5 x 35 in	48580	70
Standard	250 Gallon Tote	PMF250	2,200 lb	40 x 47 x 46 in	48580	70
Double Strength	250 Gallon Tote	PMF500	2,200 lb	40 x 47 x 46 in	48580	70
Triple Strength	250 Gallon Tote	PMF750	2,200 lb	40 x 47 x 46 in	48580	70

DOT, IATA and IMDG: not regulated as dangerous goods or hazardous materials. Gross weights shown use the Master Weight values in the 2026 shipping matrix. NMFC 48580 / Freight Class 70 is the current controlled matrix value.

NFPA 704

	Health	1	Slight health hazard
	Flammability	0	Non-flammable
	Instability	0	Stable under normal conditions
	Special	-	Not determined

GHS HAZARD COMMUNICATION

No GHS pictogram required

Current SDS: not classified as a hazardous substance or mixture.
Signal word: none.
Hazard statements: none.

SAFE HANDLING AND PPE

- Wear safety glasses; use goggles where splashing may occur.
- Use suitable gloves and impervious clothing based on handling volume and splash potential.
- Avoid contact with skin, eyes and clothing.
- Avoid breathing vapor or spray mist and ensure adequate ventilation.
- Keep eyewash stations and emergency showers close to the work area.
- High concentrations on floors may be slippery.
- Protect PMF from freezing; thaw completely before use if frozen.

STORAGE AND INCOMPATIBILITIES

- Keep container tightly closed in a cool, dry and well-ventilated place.
- Store locked up and out of reach of children.
- Protect from freezing.
- Store away from acids, bleach and ammonia.
- Section 10 lists oxidizing agents as incompatible.
- Do not mix with unknown chemicals.

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. Immediately call a poison center or doctor/physician.
Skin	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Immediately call a poison center or doctor/physician.
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.

SPILL, FIRE AND ENVIRONMENTAL HANDLING

- Stop the release if safe and protect drains.
- Contain the liquid, absorb with inert material and transfer recovered material to properly labeled containers.
- The SDS permits neutralizing residue with citric acid or another neutralizing agent for basic materials; use only a site-approved procedure.
- Use extinguishing measures appropriate to surrounding conditions; water may cool exposed containers.
- Overheated drums may rupture because of steam.
- PMF is readily biodegradable and not classified as environmentally hazardous, but large or frequent spills may still cause harm.
- Manage spent PMF and rinse water as contaminated cooling-system waste.

OPERATING CONTROL

PMF is used when selected for preventive cleaning, silicate dropout, mild oil contamination or degraded coolant chemistry.

The complete operating procedure is controlled separately and must be obtained from the permanent Procedures page.

- Do not infer a standalone or combination procedure from this TDS.
- Use only the procedure selected for the diagnosed cooling-system condition.
- Approved PMF combinations are PMF + RRF and PMF + PO4FIX.
- PMF is never combined with HDF or OCF.

TRANSPORTATION AND REGULATORY PROFILE

Mode / Field	Controlled value
DOT	NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS
IATA	NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS
IMDG	NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIALS
CERCLA RQ	No reportable quantity identified in the current SDS
California Proposition 65	Current SDS states this product does not contain Proposition 65 chemicals.

DOCUMENT CONTROL

Product	PMF Preventive Maintenance Flush
Product code	PMF
Safety source	SDS_PMF.pdf SDS UC-008 revision January 20, 2026 Version 1
Operational source	PMF_TDS.PDF Revision 1, August 4, 2026
Shipping source	2026 Ultimate Chemicals Product Shipping Specs Matrix.xlsx
NFPA asset	NFPA_1-0-0.svg
GHS	Text-only hazard communication; no pictogram required
Header artwork	Approved Ultimate Chemicals logo upper left; MASTER_PRODUCT_LOGO_PMF_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



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