

# PMFRTU Preventive Maintenance Flush Ready-to-Use

Prepared cooling-system flush - no dilution required

Controlled safety source: SDS\_PMFRTU.pdf, SDS UC-024, revision January 20, 2026. This TDS does not replace the current Safety Data Sheet.

## PRODUCT OVERVIEW

PMFRTU Preventive Maintenance Flush Ready-to-Use is a prepared cooling-system flush used when selected by an approved diagnostic recommendation.

|                              |                                                           |                       |                  |
|------------------------------|-----------------------------------------------------------|-----------------------|------------------|
| <b>Recommended use</b>       | Dissolves buildup in cooling systems                      | <b>Physical state</b> | Liquid           |
| <b>Appearance / odor</b>     | Clear liquid / slight solvent                             | <b>pH</b>             | 14.0 as supplied |
| <b>Specific gravity</b>      | 0.99                                                      | <b>Water behavior</b> | Emulsifies       |
| <b>Flash point</b>           | Non-flammable                                             | <b>Transport</b>      | Not regulated    |
| <b>Hazard classification</b> | Skin corrosion Category 1B; serious eye damage Category 1 | <b>NFPA</b>           | 1-0-0            |

## CRITICAL PRODUCT CONDITION

### NO DILUTION - PMFRTU IS READY TO USE.

- Use PMFRTU directly from the original labeled container.
- Do not add water before filling the cooling system.
- Do not mix with PMF concentrate or other flushing chemicals.
- Deionized water is used only for the post-treatment rinse unless a written controlled procedure states otherwise.

## SHIPPING, PACKAGE AND LOGISTICS

| Variant         | Physical Package | SKU       | Gross Weight | Dimensions          | NMFC  | Class |
|-----------------|------------------|-----------|--------------|---------------------|-------|-------|
| Standard        | 55 Gallon Drum   | PMFRTU055 | 484 lb       | 23.5 x 23.5 x 35 in | 48580 | 70    |
| Standard        | 250 Gallon Tote  | PMFRTU250 | 2,200 lb     | 40 x 47 x 46 in     | 48580 | 70    |
| Double Strength | 250 Gallon Tote  | PMFRTU500 | 2,200 lb     | 40 x 47 x 46 in     | 48580 | 70    |
| Triple Strength | 250 Gallon Tote  | PMFRTU750 | 2,200 lb     | 40 x 47 x 46 in     | 48580 | 70    |

The shipping matrix flags PMFRTU as hazardous for internal shipping control, while the current SDS Section 14 states DOT, IATA and IMDG are not regulated as dangerous goods or hazardous materials. SDS transport status controls this TDS. NMFC 48580 / Freight Class 70 is the current master value.

### NFPA 704



|                     |   |                                   |
|---------------------|---|-----------------------------------|
| <b>Health</b>       | 1 | Controlled SDS NFPA health rating |
| <b>Flammability</b> | 0 | Non-flammable                     |
| <b>Instability</b>  | 0 | Stable under normal conditions    |
| <b>Special</b>      | - | Not determined                    |

### GHS HAZARD COMMUNICATION



**GHS05 Corrosion**  
Current SDS classification: Skin corrosion Category 1B; serious eye damage Category 1. The SDS text does not print a signal word or hazard statement, so none is added beyond the controlled classification.

## SAFE HANDLING AND REQUIRED PPE

- PMFRTU is strongly alkaline and corrosive based on the current SDS classification.
- Wear chemical splash goggles and a face shield where splash or pressure release is possible.
- Wear suitable chemical-resistant gloves and protective clothing.
- Avoid skin, eye and clothing contact.
- Do not breathe vapor or mist. Ensure adequate ventilation, especially in enclosed areas.
- Keep eyewash and emergency shower facilities immediately accessible.
- High concentrations on floors may be slippery. Contain and clean spills promptly.
- Protect from freezing. If frozen, thaw completely before use.

## 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.
- Section 7 lists acids, bleach and ammonia as incompatible.
- 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. |
| Skin       | Immediately flush 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.**

## SPILL, FIRE AND ENVIRONMENTAL HANDLING

- Stop the release if safe and protect drains.
- Soak up with inert absorbent material and transfer recovered material to properly labeled containers.
- Neutralize residue only under an approved spill procedure.
- PMFRTU is non-flammable. Use extinguishing measures appropriate to the surrounding fire.
- Firefighters should use full protective equipment and self-contained breathing apparatus.
- The product is readily biodegradable and not classified as environmentally hazardous, but large or frequent spills may still cause harm.
- Treat spent PMFRTU and rinse water as contaminated cooling-system waste.

## OPERATING CONTROL

PMFRTU is a prepared ready-to-use form of Preventive Maintenance Flush.

- Use only when selected by an approved diagnostic recommendation.
- Do not dilute.
- Do not mix with PMF concentrate or another flushing chemical unless a later controlled written procedure explicitly authorizes it.
- This TDS intentionally does not reproduce or select a complete flush procedure.
- Review the current SDS before handling or use.

## 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                | Preventive Maintenance Flush Ready-to-Use                                                     |
| Product code           | PMFRTU                                                                                        |
| Safety source          | SDS_PMFRTU.pdf   SDS UC-024   revision January 20, 2026   Version 1                           |
| Operational source     | PMFRTU_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 asset              | GHS05_Corrosion.png based on current SDS Category 1B / Category 1 classification              |
| Header artwork         | Approved Ultimate Chemicals logo upper left; approved PMF product-family logo upper right     |
| Program/footer artwork | Approved Zero Hour Certified Cooling System badge                                             |
| Quick Access           | Product, SDS and TDS only; no Procedures QR under the permanent controlled QR rule for PMFRTU |

## QUICK ACCESS

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

### PRODUCT PAGE



<https://ultimatechemicals.com/products/pmfrtu>

### SDS



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### TDS



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