



TRU-CHEM
COMPANY, INC.

CHEMICAL PROCESSES FOR INDUSTRY

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T.C. 625-LW Liquid Iron Phosphate Three- or Five-Stage Washer and Soak Tanks

DESCRIPTION

T.C. 625-LW is a liquid iron phosphate product specially formulated for use in a three- or five-stage spray washer. It contains a blend of highly effective biodegradable surfactants that will effectively remove soils, oils and other contaminants while simultaneously depositing a high quality iron phosphate coating. T.C.625-LW contains an ingredient that keeps sludge and scale build-up to a minimum. This greatly reduces the scale build-up on the inside and outside of the risers and washer interior. This enables you to operate over an extended period of time without purging or descaling your washer. The nozzles stay cleaner longer and require less attention than with most conventional iron phosphate products.

USE

T.C. 625-LW is used at two to three percent by volume at 130° to 160°F. Exposure time is 45 seconds to one minute. It requires no break-in period. High quality coatings are obtained from the start. This product can be automatically metered into the system while maintaining a constant concentration of product. Use at 10% by volume with water in soak tank.

For highest quality and most uniform iron phosphate coating, maintain the solution pH between 3.5 and 4.5 with phosphoric acid. T.C. 743 phosphoric seal can be used in the final rinse in order to obtain the maximum corrosion protection on painted and unpainted phosphate coated surfaces.

SPECIFICATIONS

Form	Clear liquid
pH 2% sol/n.	3.3 to 3.5
pH stability	Excellent
Rinseability	Complete
Specific Gravity	1.091
Foaming	Controlled
Solubility	Instant

Conforms to Federal Specification TTC-490 B, Type II.

CAUTION

T.C. 625-LW is mildly acidic. Avoid contact with eyes and prolonged contact with skin. Should contact occur, flush skin with water; for eyes, flood with water for 15 minutes and seek medical attention.

NOTES ON USE

First Aid in Case of Contact: For eyes, flush with plenty of water for at least 15 minutes. Seek medical attention. For skin, flush with plenty of water. If swallowed, drink several glasses of water. Contact a physician.

KEEP OUT OF REACH OF CHILDREN.

DISPOSAL

When used alone, no special treatment is required. Dilute and discharge according to Federal, State and Local regulations. When used as an additive, the primary material determines disposal treatment.

PACKAGING

Packed in large, non-returnable poly-lined fiber drums of 30 U.S. gallons (113.6 liters).

SHIPMENT

It may be shipped by any common carrier. Freight classification is "Cleaning Compound, NOIBN, Liquid".

STORAGE

It is suitable for general indoor storage. Keep container closed when not in use.

Effect of high temperature storage

Effect of low temperature storage

Effect of prolonged storage

No adverse effect at 120°F (49°C)

Freezes at 20°F (-6.6°C); restored upon thawing

No adverse effect