



ATLANTA WAREHOUSE

3939 Royal Drive, Suite 139
Kennesaw, GA 30144

UTAH WAREHOUSE

647 West Billinis Road, Unit 1
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ChemWorld Metal Xtrem

True Room-Temperature Detergent Iron Phosphate for Aluminum and Ferrous Metals

ChemWorld Metal Xtrem is a blend of buffered phosphates, water conditioners, and non-metal coating accelerators in combination with a high level of low foaming detergents in a convenient liquid form. ChemWorld Metal Xtrem is pH balanced so that little or no pH adjustment is required. ChemWorld Metal Xtrem is designed for use in recirculating spray phosphatizing systems. ChemWorld Metal Xtrem produces an iridescent phosphate coating on ferrous components which provides improved paint adhesion and corrosion resistance for the finish. ChemWorld Metal Xtrem produces a etch and light coating on aluminum, zinc, and galvanized surfaces. ChemWorld Metal Xtrem meets or exceeds TTC-490D, Type II military specification by providing an iron phosphate coating in the range of 35 to 50 mgs/ft². ChemWorld Metal Xtrem does not contain any metals and is extremely stable at higher temperatures and varied pH levels, verses standard HAS (maximum 120°F) or chlorate (extremely narrow operating pH) accelerators. This can be especially true around heat exchange areas where temperatures can approach boiling. ChemWorld Metal Xtrem adds tremendous economy to phosphate operations by saving thousands of dollars annually in the form of energy costs.

PRODUCT PROPERTIES:

Appearance:	Clear straw yellow liquid; Odor nil.
Specific Gravity:	1.13
Solubility:	Complete
Foam:	Low-foaming at all temperatures
pH(1%):	3.5 - 4.5
Phosphate Content:	4.0% as elemental phosphorous(P).
Biodegradability:	Detergent portion is 100% biodegradable.

USE INFORMATION:

Concentration:	2-3% by volume
Target Operating pH:	4.4 - 4.9
Temperature:	70-212°F (Recommended temperature is 80 - 160°F)
Contact Time:	As available

PRECAUTIONS:

May cause severe chemical burns and irritation to the skin and eyes upon contact.

****AVOID CONTACT**** FOR INDUSTRIAL & COMMERCIAL USE ONLY! Refer to MSDS!

STANDARD PACKAGING SIZES: Bulk, 330 + 275 gal, 55 gal, 30 gal, 15 gal, and 5 gal. containers.
OPTIONAL: Private labeling. Bulk container packaging from 1 oz to 5 gallons.