



ATLANTA WAREHOUSE
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Kennesaw, GA 30144

UTAH WAREHOUSE
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Salt Lake City, Utah 84119

ChemWorld ZR 40

Detergent Zirconium Phosphate Hybrid

Detergent and Nanotechnology Coating for Cleaning, Improved Paint Adhesion, and Improved Corrosion Resistance at Room Temperature on Aluminum, Steel, and Galvanized Metals.

ChemWorld ZR 40 is a detergent nanotechnology zirconium polymer coating formulated for cleaning and outstanding corrosion inhibition and superior paint adhesion on metal surfaces. The coating contains a blend of organic and inorganic compounds which naturally bond with ferrous and non-ferrous metals. The product provides a visual indication of coating without the traditional use of high-phosphorus compounds.

ChemWorld ZR 40 provides superior paint adhesion and corrosion resistance to the applied paint finish over traditional iron phosphate coatings. ChemWorld ZR 40 does not contain regulated heavy metals, and is acceptable for almost any waste treatment facility or regional POTW. ChemWorld ZR 40 is an excellent replacement to traditional high phosphorus based coatings when phosphate discharges are regulated.

PRODUCT PROPERTIES:

Appearance:	Clear, light green liquid
Odor:	Nil
Specific Gravity:	1.05
pH (1%):	3.0 – 4.0 before buffering
HMIS Rating:	2,0,0

USE INFORMATION:

Concentration:	2.0 to 2.5% by volume as detergent zirconium phosphate. Recommend the product for one or both Stages #1 and #2 of a three stage pretreatment line.
pH in Operation:	4.0 to 4.6 for optimal coating
Temperature:	Ambient to 120°F.
Contact Time:	30-seconds minimum per stage is recommended.
Rinsing:	Total Dissolved Solids should be kept below 700 in the rinse stage. DI or RO is recommended for extended tank life.

PRECAUTIONS: May cause severe irritation to the eyes upon contact.

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

* Observe local, state, and federal discharge regulations.

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.