



**ATLANTA WAREHOUSE**  
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647 West Billinis Road, Unit 1  
Salt Lake City, Utah 84119

## ChemWorld METAL SAFE

### Powdered, Heavy-Duty Alkaline Spray Cleaner and Coating Remover

ChemWorld METAL SAFE is a blend of select alkali's, non-phenolic penetrating agents, anti-scale agents, dispersant, and wetting agents. ChemWorld METAL SAFE is low in odor and provides rapid penetration and emulsification of even the most difficult greases, such as, urethanes, pipe dope, epoxies, waxes, and even powder coated paint. ChemWorld METAL SAFE is also effective in removing many types of inks, pigments, particulate, and light scale around heat exchange areas. ChemWorld METAL SAFE exhibits extended tank life and is economical. ChemWorld METAL SAFE is suitable for use in industrial spray hot alkaline grease stripping operations. ChemWorld METAL SAFE is unique in its soil penetration ability due to a special combination of solvents absorbed into the product which loosens even resinous and oxidized greases and oils. If the solution can contact surfaces, the soils and build-up can be removed. Laboratory pre-testing of the cleaner for effectiveness is typically recommended prior to start-up.

#### PRODUCT PROPERTIES:

Appearance: Tan granular powder, odor nil.  
Flash Point: None  
pH(1%): >12.5  
Biodegradability: Detergent portion is 100% biodegradable by present standards.

#### USE INFORMATION:

Spray Concentration:	Light Soils	0.2-pound per gallon
	Moderate Build-Up	0.5-pound per gallon
	Extreme Residue and Gross Soils	1.0-pound per gallon

Operating Temperature: 160 - 210°F (Spray)  
70 - 210°F (Soak)

Contact Time: As available.

PACKAGE: 450-pound drum, 125-pound keg, and 50-pound pails.

PRECAUTIONS: Always add powder into water. During the initial charge, water should always be less than <100°F. May cause severe burns to the skin and eyes upon contact. **\*\*AVOID CONTACT\*\*** When handling, wear proper personal protective equipment as indicated by the accompanying OSHA material safety data sheet. If accidental contact is made immediately flush contacted area repeatedly with cool water. Wash thoroughly after handling. **FOR INDUSTRIAL USE ONLY!** Contact with die-cast or galvanized metals should be minimized. **NOT RECOMMENDED FOR USE ON ALUMINUM.** 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.