

CHEMICAL TECHNOLOGIES GROUP



GEO-GUARD® 2215

NON-CHELATED MULTI-METAL CLEANER

DESCRIPTION

GEO-GUARD® 2215 is a liquid, low foam, low temperature, non-chelated alkaline cleaner designed for use in recirculating spray washers or immersion cleaning systems. GEO-GUARD® 2215 is an excellent cleaner for especially tough soils such as lapping compounds, heavy grease and drawing compounds. Absence of chelants simplifies separation of metal ions from cleaning solutions. It is safe for use on all metal surfaces.

FEATURES

Non-chelated

High Cleaning Efficiency

Multi-metal Capability

BENEFITS

Simple separation of metals by usual methods

No sacrifice of cleaning ability

Will not harm aluminum, zinc, or or other metals

PHYSICAL PROPERTIES

	Form	Light vellow/clear liquid	
	Udor	Detergent	
2	Specific Gravity	1 12	
1.9	Pounds/Gallons	9.6	
NOUL	pri - 1% Solution	11.5	
	Solubility	Complete	
	roam	Very low	
	Rinsing	Fycellent	
	Phosphate Free	Vos	
	Blodegradable	Vac	
	Chelants	No	

1.1/

1H89-300-293

DIRECTIONS FOR USE

GEO-GUARD $^{\odot}$ 2215 is designed to be low foaming at all temperatures. Operating temperatures should not exceed 160°F.

Operating concentrations of GEO-GUARD® 2215 run from 1% to 100% by volume and depend ont temperatures, soil loads and cleaning equipment used. The typical use concentration is 2-4 % by volume. Your Calgon representative will help you establish the optimum operating criteria for your application.

GEO-GUARD® 2215 should be titrated at least once per shift and additions should be made to maintain prescribed solution strength.

TITRATION

Use test kit C-108 and one small vial (10cc) sample with Indicator A and Acid 10.

In some areas, the tap water used for preparing the detergent solution may be sufficiently alkaline to affect results. Run a blank titration using the tap water as the sample. Subtract the number of drops for the blank from the number of drops for a sample to obtain the corrected result (example: a sample titration was 8 drops and the blank titration was 1 drop. The corrected result is 8-1=7).

% by Volume	Drops Acid 10
1	1
2	2 4 5
3	
4	
5	6

SERVICE

Routine

Service is one of the most important insurances for consistent quality performance of your operation. A Calgon Market Specialist will tailor a service program for your facility that will provide effective and trouble-free operations.

Technical Support

Calgon is pleased to provide a completely staffed and equipped Technical Service laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. Your Calgon Vestal Market Specialist will provide you with details on how this service can benefit your particular situation.

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PRECAUTIONS

Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet for the product. For additional information regarding incidents involving human and environmental exposure call (314) 535-1810 and ask for the Regulatory and Trade Affairs Department.