

MATERIAL SAFETY DATA SHEET

I - PRODUCT IDENTIFICATION



COMPANY NAME: Calgon Corporation
 ADDRESS: P.O. Box 1346
 Pittsburgh, PA 15230-1346

24 Hour Emergency Telephone
 (412) 777-8000

PRODUCT NAME: Geo-Guard 2215

Product No.: 1H89

Synonyms: Multi-Metal Safe Alkaline Cleaner

II - HAZARDOUS INGREDIENTS OF MIXTURES

MATERIAL: (CAS#)	% By Wt.	TLV	PEL
Potassium hydroxide (1310-58-3)	<10	2mg/m3 (ceiling)	2mg/m3 (ceiling)
Sodium metasilicate (6834-92-0)	<10	ne	ne

III- PHYSICAL DATA

Vapor Pressure, mm Hg: Like water
 Evaporation Rate(ether=1): N/A
 Solubility in H2O: Complete
 Freezing Point F: 32
 Boiling Point F: > 212
 Specific Gravity H2O=1 @25C: 1.11

Vapor Density (Air=1) 60-90F: Like water
 % Volatile by wt @ 105C/2 hrs 70%
 pH @ 1% Solution 11.9
 pH as Distributed: >13
 Appearance: Clear, straw liquid
 Odor: Slight detergent odor

IV - FIRE AND EXPLOSION

Flash Point F: >200 F

Flammable Limits: N/A

Extinguishing Media: Product is not flammable or combustible. Use media appropriate for the primary source of fire.

Special Fire Fighting Procedures: Use caution when fighting any fire involving chemicals. A self-contained breathing apparatus is essential.

Unusual Fire and Explosion Hazards: None known.

V - REACTIVITY DATA

Stability - Conditions to avoid: None known.

Incompatibility: Acids, oxidizers.

Hazardous Decomposition Products: CO, CO2, oxides of nitrogen.

Conditions Contributing to Hazardous Polymerization: Product will not polymerize.

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EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects)
A. ACUTE (Primary Route of Exposure) EYES: Causes burns. Mists of use dilution cause irritation. (Primary Route of Exposure) SKIN: May cause severe irritation or burns. INHALATION: Mists extremely irritating to mucous membranes, upper respiratory tract. INGESTION: Corrosive to mouth, throat and stomach.
B. SUBCHRONIC, CHRONIC, OTHER: None known.

VII - EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with plenty of water for at least 15 minutes. Get immediate medical attention. SKIN: Wash with soap and plenty of water for at least 15 minutes while removing contaminated clothing. If irritation persists, get medical attention. Wash clothing before reuse. INHALATION: Remove to fresh air. If irritation persists, get medical attention. INGESTION: Do not induce vomiting. Give 1 or 2 glasses of milk or water to dilute. Get immediate medical attention.

VIII - SPILL OR LEAK PROCEDURES

Spill Management: Contain spill. Neutralize with dilute acid and take up on inert material for disposal. Flush residue to sewer with plenty of water.

Waste Disposal Methods: Unused material is hazardous waste (D002, characteristic of corrosivity) due to high pH.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: Not normally required

Eye: Chemical splash goggles and face shield

Glove: Rubber

Other Clothing and Equipment: Rubber apron and rubber boots

Ventilation: Local exhaust ventilation recommended to maintain air concentrations below established limits.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing: Do not get in eyes, on skin or on clothing. Do not breathe mist. Wear goggles, gloves and protective clothing when handling. Wash thoroughly after handling. Additional Information: Use only in well-ventilated areas that will maintain air levels below established limits.

Prepared by: D. Godward

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