

SIGMA CHEMICAL COMPANY -- PERIODIC ACID SOLUTION -- 6550-01-376-1760

===== Product Identification =====

Product ID:PERIODIC ACID SOLUTION

MSDS Date:05/12/1988

FSC:6550

NIIN:01-376-1760

MSDS Number: CHQNY

=== Responsible Party ===

Company Name:SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508

City:SAINT LOUIS

State:MO

ZIP:63178-5000

Country:US

Info Phone Num:314-771-5765/800-325-3010

Emergenc

y Phone Num:314-771-5765/800-325-3010

CAGE:21076

=== Contractor Identification ===

Company Name:SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508

City:ST LOUIS

State:MO

ZIP:63178

Country:US

Phone:314-771-5765

CAGE:21076

===== Composition/Information on Ingredients =====

Ingred Name:PERIODIC ACID

CAS:10450-60-9

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO

IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CAUSES BURNS. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT, EYES & SKIN. INHALATION: MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION & EDEMA OF THE LAR YNX & BRONCHI, CHEMICAL PNEUMONITIS & PULMONARY EDEMA. EFFEFCTS MAY BE DELAYED.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INFLAMMATION, BURNING SENSATION, BURNS, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BR EATH, HEADACHE, NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. IF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MIN. REMOVE CONTAMINATED CLOTHES/SHOES & CALL A PHYS ICIAN. IF INHALED, REMOVE TO FRESH AIR.IF BREATHING BECOMES DIFFICLUT, CALL A PHYSICIAN. IF EYE CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MIN. ASSURE ADEQUATE FLUSHING. CALL PHYSICIAN.

===== Fire Fighting Measures =====

Extinguishing Media:NON-COMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN & EYES.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

===== Acc  
idental Release Measures =====

Spill Release Procedures:WEAR SELF CONTAINED BREATHING APPARATUS, RUBBER BOOTS & HEAVY RUBBER GLOVES. ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINER FOR DISPOSAL.

===== Handling and Storage =====

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:CORROSIVE LIQUID.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NI

OSH/MSHA APPROVED RESPIRATOR.  
Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.  
Protective Gloves:COMPATIBLE CHEMICAL RESISTANT GLOVES.  
Eye Protection:CHEMICAL SAFETY GOGGLES, FACE SHIELD.  
Other Protective Equipment:FULL PROTECTIVE CLOTHING.  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.  
Supplemental Safety and Health  
AVOID CONTACT WITH EYE, SKIN AND CLOTHING.

===== Physical/Chemical Properties =====

HCC:C1  
Solubility in Water:WATER SOLUBLE  
Appearance and Odor:  
COLORLESS LIQUID.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG REDUCING AGENTS.  
Stability Condition to Avoid:STABLE.  
Hazardous Decomposition Products:EMITS TOXIC FUMES UNDER FIRE  
CONDITIONS.

===== Disposal Considerations =====

Waste Disposal Methods:DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE  
SOLVENT & BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER  
& SCRUBBER. OB  
SERVE ALL FEDERAL, STATE AND LOCAL LAWS.

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