

ALDRICH CHEMICAL CO INC SUB OF SIGMA-CHEMICAL CORP -- HYDROGEN PEROXIDE, 30 WT.%
SOLUTION IN WATER, A.C.S. REAGENT -- 6810-01-446-7539

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

Product ID:HYDROGEN PEROXIDE, 30 WT.% SOLUTION IN WATER, A.C.S. REAGENT

MSDS Date:05/13/1987

FSC:6810

NIIN:01-446-7539

MSDS Number: CFZDW

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC SUB OF SIGMA-CHEMICAL CORP

A

Address:1001 W ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Info Phone Num:414-273-3850

Emergency Phone Num:414-273-3850

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

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

Ingred Name:HYDROGEN PEROXIDE (SARA 302)

CAS:7722-84-1

RTECS #:MX0900000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 PPM

ACGIH TLV:1 PPM; 9596

===== 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:HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN. INHALATION MAY RESULT IN SPASM, INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.

Explanation of Carcinogenicity:NOT CARCINOGENIC.

Effects of Overexposure:MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:CONTACT-IMMEDIATELY FLUSH EYES/SKIN WITH COPIOUS AMOUNTS OF

WATER FOR 15 MIN WHILE REMOVING CONTAMINATED CLOTHING/SHOES. ASSURE ADEQUATE FLUSHING OF EYES BY SEPARATING THE EYELIDS WITH FINGERS. INHALE & REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SWALLOWED-WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY. STRONG OXIDIZER.

Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. ABSORB ON SAND OR VERMICULITE.

ITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. FLUSH
SPILL AREA WITH COPIOUS AMOUNTS OF WATER.

Neutralizing Agent: SULFURIC ACID.

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

Handling and Storage Precautions: KEEP TIGHTLY CLOSED. KEEP AWAY FROM
COMBUSTIBLE MATERIALS, HEAT, SPARKS, AND OPEN FLAMES. PROTECT FROM
LIGHT. MAY DEVELOP PRESSURE. REFRIGERATE.

Other Precautions: DO NOT STORE NEAR, NOR ALLOW CONTACT WITH, CLOTHING
AND OTHER COMBUSTIBLE MATERIALS.

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

Respiratory Protection: WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR.

Ventilation: USE ONLY IN A CHEMICAL FUME HOOD.

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: SAFETY GOGGLES. FACE SHIELD.

Other Protective Equipment: OTHER PROTECTIVE CLOTHING.

Work Hygienic Practices: SAFETY SHOWER AND EYE BATH. WASH THOROUGHLY
AFTER HANDLING.

Supplemental Safety and Health

AVOID INHALATION. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. CORROSIVE.

POSSIBLE MUTAGEN

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

HCC: D1

Vapor Pressure: 23.3 MMHG

Vapor Density: 1

Spec Gravity: 1.110

Appearance and Odor: COLORLESS LIQUID.

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

Stability Indicator/Materials to Avoid: YES

ORGANIC MATERIALS, REDUCING AGENTS, BRASS, COPPER, GALVANIZED IRON,
ZINC, NICKEL, LEAD, RUST, IRON AND IRON SALTS.

Stability Condition to Avoid: SENSITIVE TO LIGHT

Hazardous

us Decomposition Products:OXYGEN AND WATER.

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

Waste Disposal Methods:CAUTIOUSLY ACIDIFY A 3% SOLUTION OR A SUSPENSION OF THE MATERIAL TO PH 2 WITH SULFURIC ACID. GRADUALLY ADD A 50% EXCESS OF AQUEOUS SODIUM BISULFITE WITH STIRRING AT ROOM TEMPERATURE. IF NO REACTION OBSERVED, CAUTIOUSLY ADD MORE ACID. DESTROY EXCESS.

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