

CHEMTECH CA PO BOX 908 TURLOCK, CA 95381

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

**Product Identifier:** HYDROGEN PEROXIDE 27%**Product Code:** 2001**Product Use:** Cleaner**Chemical Family:** Peroxide

CHEMTECH CA  
PO BOX 908  
TURLOCK, CA 95381  
(209)669-3474

**24 Hr. Emergency Tel.#:** 800-424-9300

## SECTION 2 - HAZARDS IDENTIFICATION

**Classification of the Substance or Mixture:**

Skin Corrosion - Category 1  
Serious Eye Damage - Category 1  
Corrosive to Metals - Category 1  
Oxidizing Liquids - Category 2  
Acute Toxicity - Oral Category 5  
Acute Toxicity - Dermal Category 5

**Signal Word:** DANGER**Hazard Statements:**

Causes severe skin burns and eye damage  
May be corrosive to metals  
May intensify fire; oxidizer  
May be harmful if swallowed  
May be harmful in contact with skin

**Precautionary Statements:****Prevention**

Wash hands thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection.  
Keep only in original container.  
Do not eat, drink or smoke when using this product.  
Keep away from heat/sparks/open flames/hot surfaces - No smoking.  
Keep/Store away from clothing/combustible materials.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Take any precaution to avoid mixing with combustibles.

**Response**

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.  
**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
**IF ON SKIN:** Wash with soap and water.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.  
**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Immediately call a POISON CENTER or doctor/physician  
In case of fire: Use water for extinction.  
Wash contaminated clothing before reuse.  
Absorb spillage to prevent material damage.

**Storage**

Store in a corrosive resistant container with a resistant inner liner.  
Store locked up.

**Disposal**

Dispose of contents/container in accordance with local regulations.

CHEMTECH CA PO BOX 908 TURLOCK, CA 95381

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## Hazards not Otherwise Classified:

No other hazards classified.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Synonym	CAS Number	Concentration
HYDROGEN PEROXIDE	H2O2	7722-84-1	25-30%

## SECTION 4 - FIRST-AID MEASURES

**Inhalation:** Get medical advice/attention if you feel unwell or are concerned.

**Skin Contact:** Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower with a flushing duration of 30 minutes. Immediately call POISON CENTER/doctor. Wash contaminated clothing before re-use.

**Eye Contact:** Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 30 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor.

**Ingestion:** Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

**Most Important Symptoms and Effects, both Acute and Delayed:** Causes severe skin burns and eye damage, burning of the mouth, throat, and esophagus.

**Indication of any Immediate Medical Attention and Special Treatment Needed:** Treat symptomatically

## SECTION 5 - FIRE-FIGHTING MEASURES

**Extinguishing Media:** Flood with water.

**Special hazards arising from the substance of mixture:** Product is non-combustible. On decomposition releases oxygen which may intensify fire.

**Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012):** Non flammable

**Hazardous Combustion Products:** Non combustible

**Special protective equipment and precautions for firefighters:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**Methods and materials for containment and cleaning up:** SMALL SPILLS (less than 1 gallon): Neutralize with soda ash or cover with dry earth, sand or other non combustible material, place into loosely covered plastic containers for later disposal. If neutralized, material can be diluted into drain. LARGE SPILL: Restrict access to area until completion of clean up. Prevent liquid from entering sewers or waterways. Stop or reduce leak if safe to do so. Dike with inert material (sand, earth, etc.). Collect into plastic containers for disposal. Ensure adequate decontamination of tools and equipment following clean up.

**Special spill response procedures:** Collect spills in plastic containers only

## SECTION 7 - HANDLING AND STORAGE

**Precautions for Safe Handling:** Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

**Conditions for Safe Storage:** Store in a cool, dry, well ventilated place away from direct sunlight. Keep container closed when not in use.

**Incompatible Materials:** Reducing agents, wood, paper and other combustibles, iron and other heavy metals, copper alloys and caustic.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Identity	CAS Number	Type	Exposure Limit Values	Source
HYDROGEN PEROXIDE	7722-84-1	PEL	1 ppm (1.4 mg/m3)	OSHA
		REL	1 ppm	NIOSH
		TLV	1 ppm	ACGIH

**Ventilation and engineering measures:** Forced air, local exhaust, or open air is adequate.

**Respiratory Protection:** In case of confined spaces or high levels encountered in the air, wear self contained breathing apparatus.

**Skin Protection:** Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

**Eye/Face Protection:** Wear chemical goggles; also wear a face shield if splashing hazard exists.

**Other Protective Equipment:** Eye wash facility and emergency shower should be in close proximity.

**General Hygiene Conditions:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

# SAFETY DATA SHEET

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear colorless liquid

**Odor:** Odorless

**pH:** <2

**Melting/Freezing point:** -15.0 °C (6.0 °F)

**Initial boiling point and boiling range:** IBP 223°F/105°C

**Flash Point:** Non combustible

**Flammability (solid, gas):** Non flammable

**Specific gravity:** 1.10 g/mL

**Solubility in water:** Complete

**Decomposition temperature:** No information available

**Viscosity:** 10-25 cSt at 20 °C / 68°F

## SECTION 10 - STABILITY AND REACTIVITY

**Reactivity:** Reactive with certain acids, reducing agents, organic materials, metals, bases and alkalis.

**Chemical Stability:** Stable under normal conditions

**Possibility of Hazardous Reactions:** May react with incompatible materials

**Conditions to Avoid:** Incompatible materials and high temperatures

**Incompatible Materials:** Reducing agents, wood, paper and other combustibles, iron and other heavy metals, copper alloys and caustic.

**Hazardous Decomposition Products:** Oxygen which supports combustion.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

Routes of entry - inhalation: YES

Routes of entry - skin & eye: YES

Routes of entry - ingestion: YES

Routes of entry - skin absorption: NO

### Potential Health Effects:

#### **Signs and symptoms of short term (acute) exposure:**

**Inhalation:** Breathing in mists or aerosols may produce respiratory irritation.

**Ingestion:** Corrosive! Swallowing causes severe burns of mouth, throat, and stomach. Severe scarring of tissue, corrosion, permanent tissue destruction and death may result. Symptoms may include severe pain, nausea, vomiting, diarrhea, shock, hemorrhaging and/or fall in blood pressure. Damage may appear days after exposure.

**Skin:** Corrosive! Contact with skin causes irritation or severe burns and scarring with greater exposures.

**Eye:** Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

### Potential Chronic Health Effects:

**Mutagenicity:** Not known to have mutagenic effects in humans or animals.

**Carcinogenicity:** No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.

**Reproductive effects:** No information available.

**Sensitization to material:** Did not cause sensitization on laboratory animals.

**Toxicological data:** The calculated ATE values for this mixture are:

ATE oral = >2000 mg/kg

ATE dermal = >2000 mg/kg

ATE inhalation = >20.0 mg/L (vapor)

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** May be harmful to aquatic life

CHEMTECH CA PO BOX 908 TURLOCK, CA 95381

## SAFETY DATA SHEET

**Persistence and degradability:** No information available

**Bioaccumulation potential:** Not expected to occur

**Mobility in soil:** No information available

### SECTION 13 - DISPOSAL CONSIDERATIONS

**Handling for disposal:** Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

**Method of disposal:** Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**RCRA:** Not a listed RCRA hazardous waste.

### SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

**US 49 CFR/DOT/IATA/IMDG Information:**

UN No.: 2014

UN Proper Shipping Name: Hydrogen peroxide, Aqueous Solution (20-40%)

Transportation hazard class(es): 5.1, (8)

Packing Group: II

**Environmental hazards:** Not a Marine Pollutant

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

**TSCA information:** All components are listed on the TSCA inventory.

**US CERCLA reportable quantity (RQ):** Non regulated material.

**SARA Title III:** Hazard Categories: Acute Health Hazard, Fire Hazard.

### SECTION 16 - OTHER INFORMATION

**Legend:**

**SARA:** The Superfund Amendments and Reauthorization Act

**RCRA:** Resource Conservation and Recovery Act

**TSCA:** Toxic Substances Control Act

**CFR:** Code of Federal Regulations

**DOT:** Department of Transportation

**ATE:** Acute Toxicity Estimate

**Preparation date:** 12/14/2016