

TANGRAM COMPANY,LLC -- HYDROGEN PEROXIDE 31%,ACS GRADE -- 6810-01-044-4188  
===== Product Identification =====

Product ID:HYDROGEN PEROXIDE 31%,ACS GRADE

MSDS Date:02/02/1999

FSC:6810

NIIN:01-044-4188

Status Code:A

MSDS Number: CJLTT

=== Responsible Party ===

Company Name:TANGRAM COMPANY,LLC

Address:125 CORPORATE DRIVE

City:HOLTSVILLE

State:NY

ZIP:11742

Country:US

Info Phone Num:UNLISTED USE 800-4  
24-9300

Emergency Phone Num:800-424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:TO247

=== Contractor Identification ===

Company Name:TANGRAM COMPANY, LLC

Address:125 CORPORATE DRIVE

Box:City:HOLTSVILLE

State:NY

ZIP:11742

Country:US

Phone:631-758-0460

CAGE:TO247

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

Ingred Name:HYDROGEN PEROXIDE

CAS:7722-84-1

RTECS #:MX0899000

= Wt:31.

OSHA PEL:1.4 MG/M3;1 PPM

ACGIH TLV:1.4 MG/M3;1 PPM

===== Hazards Identification

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LD50 LC50 Mixture:1193 GM/KG (MALE RAT)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: VAPOR AND MISTS SEVERELY IRRITATE THE NOSE AND THROAT. VAPORS WILL IRRITATE THE EYES. THIS PRODUCT IS CORROSIVE TO THE EYES AND ITS EFFECT MAY BE DELAYED. BRIEF EXPOSURE WILL IRRITATE THE SKIN. LONGER EXPOSURE CAUSES IRRITATION, BLISTERS, AND BURNS.

Explanation of

Carcinogenicity:NONE LISTED.

Effects of Overexposure:NOSE AND THROAT IRRITATION, EYE IRRITATION, SKIN IRRITATION, BLISTERS, BURNS. SWALLOWING LIQUID MAY CAUSE A SUDDEN EVOLUTIONS OF OXYGEN, WHICH CAN CAUSE INJURY BY DISTENSION OF THE ESOPHAGUS OR STOMAC H, LOCAL INTERNAL BLEEDING MAY RESULT.

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First Aid Measures

First Aid:INHALE: REMOVE TO FRESH AIR, CALL A PHYSICIAN. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. SEE AN OPHTHALMOLOGIST.

SKIN: WASH WITH WATER. INGEST: DRINK PLENTY OF WATER IMMEDIATELY TO DILUTE , BUT DO NOT ATTEMPT TO CAUSE VOMITTING. CALL A PHYSICIAN.

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Fire Fighting Measures

Flash Point:NONFLAMMABLE

Extinguishing Media:WATER FOG, DRY CHEMICAL, CARBON DIOXIDE

Fire Fighting Procedures:ANY TANK OR CONTAINER SURROUNDED BY FIRE SHOULD BE FLOODDOED WITH WATER FOR COOLING. IF HYDROGEN PEROXIDE IS LEAKING,WEAR FULL PROTECTIION CLOTHING AND N

IOSH CERTIFIED

BREATHING APPARATUS(SCBA)

Unusual Fire/Explosion Hazard:HYDROGEN PEROXIDE ITSELF IS

NON-COMBUSTIBLE. ON DECOMPOSITION RELEASES OXYGEN WHICH MAY INTENSIFY FIRE. HYDROGEN PEROXIDE VAPORS AND MISTS ARE EXTREMELY IRRITATING TO EYES AND SKIN.

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Accidental Release Measures

Spill Release Procedures:DILUTE WITH LARGE VOLUME OF WATER AND HOLD IN A POND OR DIKED AREA UNTIL HYDROGEN PEROXIDE DECOMPOSES. DISPOSE OF ACCORDING TO T

# THE METHODS OUTLINED BELOW FOR WASTE DISPOSAL.

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

Handling and Storage Precautions:AVOID EXCESSIVE HEAT. AVOID CONTAMINATION OF ANY KIND. CONTAMINATION MAY CAUSE DECOMPOSITION AND GENERATION OF OXYGEN GAS WHICH COULD RESULT IN HIGH PRESSURES AND POSSIBLE CONTAINER RUPTURE. DO NOT STORE IN AN UNVENTED CONTAINER AND SHOULD BE TRANSFERRED ONLY IN A DESCRIBED MANNER.

Other Precautions:NEVER RETURN UNUSED MATERIAL TO ORIGINAL CONTAINER.  
EMPTY DRUMS SHOULD BE RINSED WITH WATER DISCARDING.

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

Respiratory Protection:FOR SEVERE VAPOR OR MIST (CONCENTRATION IN EXCESS OF 10PPM)USE NIOSH CERTIFIED SELF-CONTAINED BREATHING APPARATUS. DO NOT USE ANY OXIDIZABLE SORBANTS.

Ventilation:PROVIDE GENERAL AND LOCAL VENTILATION AS NECESSARY. CONTROL MISTS IN WORKPLACE AT OR BELOW EXPOSURE GUIDELINES(TLV 1 PPM FOR 8 HRS)

Protective Gloves:LIQUID-PROOF RUBBER OR NEOPRENE GLOVES

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS;FULL FACE MASK

Other Protective Equipment:RUBBER FOOTWEAR, POLYESTER OR ACRYLIC FULL COVER CLOTHING

Supplemental Safety and Health

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

HCC:D3

Boiling Pt:=-33.C, -27.4F

Vapor Pres:23.3 MMHG @ 30C

Spec Gravity:1.13 @ 20C/40F

Evaporation Rate & Reference:>1(BUTYL ACETATE=1)

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

Stability Indicator/Materials to Avoid:NO

IRON AND HEAVY METALS. COPPERS,COPPER ALLOYS,RUST,DIRT

Stability Condition to Avoid:EXCESSIVE HEAT, CONTAMINATION OF ANY KIND.

Hazardous Decomposition Products:ORGANICS,WOOD,PAPER OR OTHER COMBUSTIBLE OXYGEN WHICH SUPPORTS COMBUSTION

## ===== Disposal Considerations =====

Waste Disposal Methods:AN ACCEPTABLE METHOD OF DISPOSAL IS TO DILUTE WITH A LARGE VOLUME OF WATER AND ALLOW THE HYDROGEN PEROXIDE TO DECOMPOSE

SE FOLLOWED BY DISCHARGE INTO SUITABLE TREATMENT SYSTEM IN  
ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL ENVIRONMENTAL LAWS.

===== MSDS Transport Information =====

Transport Information:HYDROGEN PEROXIDE SOLUTION (31%), OXIDIZER  
UN2014.

===== Regulatory Information =====

SARA Title III Information:NOT LISTED.

Federal Regulatory Information:TSCA INVENTORY STATUS: YES.

State Regulatory Information:STATE/INTERNATIONAL RI

GHT-TO-KNOW

REGULATIONS: CALIFORNIA, CONNECTICUIT, FLORIDA, ILLINOIS,  
MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND,  
CANADA.

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