

CALENDAR CHEMICALS -- ISOPROPYL ALCOHOL, 99% ANHYDROUS -- 6810-00-286-5435

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

Product ID:ISOPROPYL ALCOHOL, 99% ANHYDROUS

MSDS Date:01/17/1989

FSC:6810

NIIN:00-286-5435

MSDS Number: BJPDP

=== Responsible Party ===

Company Name:CALENDAR CHEMICALS

Address:2920 UNION ST

Box:81241

City:SAN DIEGO

State:CA

ZIP:92138-1241

Country:US

Emergency Phone Num:619-294-6000/800-42

4-9300 CHEMTREC

CAGE:67003

=== Contractor Identification ===

Company Name:CALENDAR CHEMICALS

Address:2920 UNION ST

Box:81241

City:SAN DIEGO

State:CA

ZIP:92138-1241

Country:US

CAGE:67003

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

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: >99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

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

=====

LD50 LC50 Mixture:ORAL LD50 (RAT) = 5840 MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO CNS DEPRESSION, LEADING TO HEADACHES AND DIZZINESS. EYE: MAY LEAD TO IRRITATION AND WILL INJURE EYE TISSUE IF NOT REMOVED PROMPTLY.

SKIN: NO HEALTH HAZARD FROM ABSORPTION OR EXPOSURE. INGESTION: SLIGHT HEALTHHAZARD. CHRONIC: PROLONGED EXPOSURE CAN BE IRRITATING

TO MUCOUS MEMBRANES.

Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED AS HAVING ANY EVIDENCE OF BEING CARCINOGENIC.

Effects of Overexposure:OVEREXPOSURE MAY LEAD TO DIZZINESS, SHORTNESS OF BREATH, HEADACHES, VOMITING, DERMATITIS AND EYE IRRITATION (BURNING AND TEARING). HIGH VAPOR CONCENTRATIONS ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS. CHRONIC SKIN EXPOSURE MAY LEAD TO DEFATTING OF TISSUE AND DERMATITIS.

Medical Cond Aggravated

by Exposure:PERSONS WITH EYE, SKIN, HEART, RESPIRATORY, OR ANY OTHER MEDICAL CONDITION SHOULD USE CAUTION WHEN HANDLING OR USING THIS PRODUCT.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION AS REQUIRED. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. GET PROMPT MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH WITH

H

WATER FOR 20 MINUTES WITH EYELIDS HELD OPEN. GET PROMPT MEDICAL ATTENTION. INGESTION: GET PROMPT MEDICAL ATTENTION. DO NOT INDUCE VOMITING.

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

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Lower Limits:2

Upper Limits:12

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. DO NOT USE A DIRECT STREAM OF WATER.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL

PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:FIRE HAZARD: ELIMINATE ALL SOURCES OF IGNITION. EVACUATE AREA. VENTILATE AREA. STOP RELEASE. DIKE TO CONTAIN SPILL. WEAR PROPER SAFETY EQUIPMENT. IF AMOUNT IS LARGE,

REMOVE LIQUID BY VACUUM. IF SMALL, ABSORB ON INERT MATERIAL. DISPERSE RESIDUE.

Neutralizing Agent:DILUTE WITH WATER

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME & STRONG OXIDIZING AGENTS. EMPTY CONTAINERS MAY CONTAIN FLAMMABLE VAPOR.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC

ELECTRICITY, OR OTHER SOURCES OF IGNITION. MATERIAL MAY ATTACK SOME FORMS OF PLASTIC, ALU MINUM, RUBBER AND COATINGS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED AIR-PURIFYING OR SUPPLIED AIR RESPIRATOR AS APPROPRIATE.

Ventilation:MECHANICAL(GENERAL) EXHAUST RECOMMENDED. LOCAL OR EXPLOSION PROOF VENTILATION MAY BE REQUIRED IN SOME CIRCUMSTANCES.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protec

tion:CHEMICAL SPLASH GOGGLES &/OR FACESHIELD

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID VOMITING IN CASES OF OVEREXPOSURE SINCE ASPIRATION INTO LUNGS IS A POSSIBLE HAZARD. PROPERLY GROUND LARGER DRUMS OF MATERIAL TO GU

ARD AGAINST STATIC ELECTRICITY. PRACTICE GOOD HOUSEKEEPING. POST NO-SMOKING SIGNS. NOTIFY THE NATIONAL RESPONSE CENTER IN CASE OF SPILLS.

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

HCC:F2

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text: