

CROWN CHEMICAL CORP -- ISOPROPYL ALCOHOL 99% ANHYDROUS -- 6810-00-822-7637  
===== Product Identification =====

Product ID:ISOPROPYL ALCOHOL 99% ANHYDROUS

MSDS Date:01/04/1990

FSC:6810

NIIN:00-822-7637

MSDS Number: BTHVK

=== Responsible Party ===

Company Name:CROWN CHEMICAL CORP

Address:1888 NIRVANA AVE

City:CHULA VISTA

State:CA

ZIP:92011-6118

Country:US

Info Phone Num:619-421-6601

Emergency Phon

e Num:619-421-6601

CAGE:1194X

=== Contractor Identification ===

Company Name:CROWN CHEMICAL CORP

Address:1888 NIRVANA AVE

Box:City:CHULA VISTA

State:CA

ZIP:92011-6118

Country:US

CAGE:1194X

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

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9394

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

LD50 LC50 Mixtu

re: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:EYE-LIQUID IS IRRITATING TO EYES.

SKIN-LIQUID IS MILDLY IRRITATING TO THE SKIN. INHALATION-VAPORS MAY BE IRRITATING TO THE NOSE, THROAT & RESPIRATORY TRACT. HIGH VAPOR CONCENTRATIONS MAY CAUSE CNS DEP RESSION. INGESTION-EARLY TO MODERATE CNSDEPRESSION.

Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED AS HAVING

ANY EVIDENCE OF BEING CARCINOGENIC.

Effects of Overexposure:EYE-MAY CAUSE PAIN, TEARING, AND INFLAMMATION.

SKIN-SKIN IRRITATION & DERMATITIS. INGESTION-GIDDINESS, HEADACHE, NAUSEA AND DIZZINESS; IN EXTREME CASES UNCONSCIOUSNESS AND DEATH MAY OCCUR. ASPIRATION PNEUMONITIS MAY EVIDENCED BY COUGHING, LABORED BREATHING AND CYANOSIS, IN SEVERE CASES DEATH.

Medical Cond Aggravated by Exposure:PREEXISTING EYE, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE-HOLD EYELIDS OPEN & FLUSH WITH PLENTY OF WATER FOR 15 MIN. GET MEDICAL ATTENTION. SKIN-REMOVE CLOTHIN/SHOES. FLUSH SKIN WITH WATER. THEN WASH WITH SOAP/WATER. IF IRRITATION OCCURS, CONTACT PHYSICI AN. INHALATION-REMOVE VICTIM TO FRESH AIR, IF BREATHING IS HARD, PROVIDE OXYGEN; IF NOT BREATHING GIVE CPR. GET MEDICAL ATTENTION. INGESTION-DO NOT INDCUE VOMITING. GET MEDICAL

ATTENTION.

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

Flash Point:=11.7C, 53.F

Lower Limits:2

Upper Limits:12

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. DO NOT USE DIRECT WATER STREAM. PRODUCT WILL FLOAT & REIGNITE.

Fire Fighting Procedures:WEAR FULL BUNKER GEAR, INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:CONTAINERS EXPOSED T

O INTENSE HEAT FROM

FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR BUILDUP WHICH  
COULD RESULT IN CONTAINER RUPTURE.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. HANDLING  
EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. SOAK UP WITH  
ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINER. SEAL TIGHTLY  
AND IDENTIFY FOR PROPER DISPOSAL.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STOW CONTAINERS IN A SAFE NON-TRAFFIC  
AREA. KEEP CONTAINER TIGHTLY CLOSED & WELL IDENTIFIED.

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.

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

Respiratory Protection:USE A NIOSH APPROVED RESPIRATOR TO AVOID OVER  
EXPOSURE, WHEN

ANTICIPATED EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE  
LIMITS. USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN  
AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Ventilation:USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL  
VAPOR CONCENTRATIONS.

Protective Gloves:WEAR CHEMICAL RESISTANT GLOVES.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:WEAR CHEMICAL RESISTANT CLOTHES AS REQUIRED.

Work Hygienic Practices:AIR DRY CONTAMINATED CLOTHING IN A WELL  
VENTILATED AREA.

LAUNDRY BEFORE REUSE.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED CONTACT WITH THE SKIN.

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

HCC:F2

Boiling Pt:=82.2C, 180.F

Melt/Freeze Pt: