

ANACHEMIA CHEMICALS INC -- ISOPROPANOL -- 6810-01-044-4189

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

Product ID:ISOPROPANOL

MSDS Date:02/27/1990

FSC:6810

NIIN:01-044-4189

MSDS Number: BJRQS

=== Responsible Party ===

Company Name:ANACHEMIA CHEMICALS INC

Address:3 LINCOLN BLVD

City:ROUSES POINT

State:NY

ZIP:12979

Country:US

Info Phone Num:518-297-4444

Emergency Phone Num:518-297-4444

Preparer's Name:MSDS

DEPARTMENT

CAGE:4A444

=== Contractor Identification ===

Company Name:ANACHEMIA CHEMICALS INC

Address:3 LINCOLN BLVD

Box:City:ROUSES POINT

State:NY

ZIP:12979

Country:US

Phone:518-297-4444

CAGE:4A444

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

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 99-100%

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:MATLS TO AVOID/SUPP DATA:HYDROGEN-PALLADIUM, PERMANGANATES,

P

OTASSIUM T-BUTOXIDE AND NITROFORM.

RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:ATAXIA, COMA & DEATH.STUPER.INGEST:CAUSES
GI IRRI. ABDOMINAL PAIN.DROW, NAUSEA, VOMIT, DIARRHEA, (ING 4)

RTECS #:9999999ZZ

Ingred Name:GASTRITIS. LETHAL DOSE FOR HUMANS IS ESTIMATED AT 131
GRAMS. HNDLG/STOR PREC:TIGHTLY CLOSED.GROUND CNTNR WHILE (ING 5)

RTECS #:9999999ZZ

Ingred Name:DISPENSING.DO NOT ADD ANY OTHER MATL TO CNTNR.DO NOT WASH
DOWN DRAIN.USE ONLY EXPLOS PROOF EQUIP. DO NOT GET IN (ING 6)

RTECS #:9999999ZZ

Ingred Name:EYES, ON SKIN/CLTHG. WASH WELL AFTER USE. I/A/W GOOD
STOR/HNDLG PRAC. DO NOT ALLOW SMOKING/FOOD CONSUMPTION WHILE HNDLG.

RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50:(ORAL) 3600 MG/KG (MOUSE)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE:MAY BE HARMFUL BY INGEST, INHAL,
SKIN ABSORPTION. CH

RONIC:LONG TERM EXPOS MAY CAUSE CUMULATIVE

SYSTEMIC INJURY, PARTICULARLY TO VITAL ORGANS (LIVER/KIDNEYS). TO
THE BEST OF MFR'S KNOWLEDGE CHRON IC TOXICITY OF SUBSTANCE HAS NOT
BEEN FULLY INVESTIGATED.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:EYES:CAUSES IRRIT. MAY CAUSE SEVERE BURNS/ LOSS
OF VISION. MAY CAUSE PERM DMG. SKIN:CAUSES IRRIT. DEFATTING DERM W/
PRLNGD USE. READILY ABSORBED. INHAL:MAY CAUSE RESP TRACT
INFLAMMATION. IRRIT TO MUC MEMB. H

DCH, DROW, NAUSEA, VOMIT. MAY

HAVE ANESTHETIC EFT W/ PRLNGD USE. CNS DEPRES, DIZZ, MENTAL
CONFUSION (SEE INGRED 3

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES:WASH W/COPIOUS QUANTITIES OF WATER FOR AT LEAST 15 MIN.

CALL MD. SKIN:REMOVE CONTAMINATED CLOTHING. WASH W/SOAP AND WATER.

CALL MD. INHAL:REMOVE TO FRESH AIR. ADMINISTER APPROVED OXYGEN
SUPPLY IF BRTHG IS DFCLT.

ADMINISTER ARTF RESP OR CPR IF BRTHG
CEASED. CALL MD. INGEST:GIVE A LARGE QUANTITY OF WATER TO DILUTE.
INDUCE VOMIT. CALL MD.

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

Flash Point Method:CC
Flash Point:53.6F,12.0C
Lower Limits:2.0%
Upper Limits:12.7%
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL POWDER, OR ALCOHOL
FOAM.
Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA W/FULL FACEPIECE
OPERATED IN A PRESSURE DEMAND/OTHER POSITIVE PRESSURE MODE.
WEAR
ADEQUATE PERSONAL PROTECTION TO (SEE SUPP DATA)
Unusual Fire/Explosion Hazard:FLASH BACK ALONG VAPOR TRAIL MAY OCCUR;
ELIMINATE ALL SOURCES OF IGNITION.. VAPOR FORMS EXPLOSIVE MIXTURE
W/AIR BETWEEN UPPER & LOWER EXPLOSIVE (SEE SUPP DATA)

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

Spill Release Procedures:SHUT OFF ALL SOURCES OF IGNIT. EVACUATE. WEAR
NIOSH/MSHA APPRVD SCBA, RUBBER BOOTS, HEAVY RUBBER GLOVES. ABSORB
ON SAND OR VERMICULITE, PLACE
IN CLOSED CNTNR FOR DISPOSAL. USE
NONSPARKING TOOLS. VENT AREA/WASH SPILL SITE AFTER MATL PICK
UPCOMPLETE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE AWAY FROM
HEATED AREAS, SPARKS & FLAME; WELL VENT AREA; AWAY FROM ACIDS,
ALKALIES, OXIDIZING MATLS. KEEP (SEE INGRED 4)
Other Precautions:FLAMMABLE LIQUID! IRRITANT! DO NOT BREATHE VAPORS.
AVOI
D CONTACT WITH THE PRODUCT.

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

Respiratory Protection:WEAR NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE
RESPIRATOR. IF MORE THAN TLV, DO NOT BREATHE VAPOR. WEAR NIOSH/MSHA
APPROVED SCBA.
Ventilation:EXPLOSION PROOF VENT SYSTEM. USE ONLY IN A CHEMICAL FUME
HOOD. ADEQUATE VENT TO MAINTAIN VAPOR/DUST BELOW TLV.
Protective Gloves:NEOPRENE OR POLYETHYLENE GLOVES.
Eye Protection:CHEMICAL WORKERS GOGGLES/FACESHIELD.
Other Protecti

Protective Equipment: APRON/CLOTHING TO PROTECT SKIN. IMPERVIOUS BOOTS SUFFICIENT TO PROTECT SKIN. MAKE EYE BATH & EMERGENCY SHOWER AVAILABLE.

Work Hygienic Practices: WASH HANDS THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING SANITARY FACILITIES.

Supplemental Safety and Health

FIRE FIGHT PROC: PREVENT CONTACT WITH MATERIAL OR ITS COMBUSTION PRODUCTS. COOL CONTAINERS WITH WATER SPRAY. WATER MAY BE INEFFECTIVE TO EXTINGUISH FIRES. EXPLOSION HAZARD LIMITS. HIGH PRESSURE WILL BUILD IN CLOSED CONTAINERS AT ELEVATED TEMPERATURES. EMITS TOXIC FUMES UNDER FIRE CONDITIONS. MATERIALS TO AVOID: HALOGENS, ACID ANHYDRIDES, OLEUM, IRON SALTS, (SEE INGREDIENT 2)

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

HCC:F2

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

Melt/Freeze Point: M.P/F.P Text: -129F, -90C

Vapor Pressure: 33 MM HG

Vapor Density: 2.1

Specific Gravity: 0.785

Evaporation Rate & Reference: 2.83 (N-BUTYL ACETATE=1)

Solubility in Water: 100%

Appearance and Odor: COLORLESS LIQUID WITH ODOR OF RUBBING ALCOHOL

Percent Volatiles by Volume:

100

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS. STRONG ACIDS. ALUMINUM, CHLORINE, TRINITROMETHANE, HYDROGEN PEROXIDE, PHOSGENE, (SEE SUPPLEMENTAL DATA)

Stability Condition to Avoid: HEAT, SPARKS AND FLAMES.

Hazardous Decomposition Products: REACTION PRODUCTS: NOT AVAILABLE.

COMBUSTION PRODUCTS: CARBON DIOXIDE AND MONOXIDE.

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

Waste Disposal

Methods: DISSOLVE OR MIX MATERIAL WITH COMBUSTIBLE SOLVENT &

BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AFTER BURNER & SCRUBBER.

AVOID RUN OFF. DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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