

## **ISOPROPANOL, ANHYDROUS**

### **MSDS Number**

BDVBG

### **National Stock Number**

6810-00-290-0033

### **Product Name**

ISOPROPANOL, ANHYDROUS

### **Manufacturer**

UNION CARBIDE CORP

### **Product Identification**

Product ID:ISOPROPANOL, ANHYDROUS

MSDS Date:05/15/1989

FSC:6810

NIIN:00-290-0033

MSDS Number: BDVBG

### **Responsible Party**

UNION CARBIDE CORP.

39 OLD RIDGEBURY ROAD

DANBURY , CT 06817-0001

US

Emergency Phone: 800-822-4357

Info Phone: 800-822-4357

Cage: 61637

### **Contractor**

UNION CARBIDE CORP

DANBURY, CT 06817-0001

US

800-822-4357/732-563-5522 (MSDS)

Cage: 61637

### **Ingredients**

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

Fraction By Weight: 100%

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

### **Hazards**

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

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

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

Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION, LEADING TO HEADACHES AND DIZZINESS. EYE: MAY LEAD TO IRRITATION AND WILL INJURE EYE TISSUE IF NOT REMOVED PROMPTLY. SKIN: MAY LEAD TO DERMATITIS. INGESTION: MAY LEAD TO VOMITING. CHRONIC: PROLONGED SKIN CONTACT MAY CAUSE DERMATITIS.

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

Effects of Overexposure:OVEREXPOSURE MAY LEAD TO DIZZINESS, HEADACHES, DERMATITIS AND EYE IRRITATION. HIGH VAPOR CONCENTRATIONS ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

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

## First Aid

First Aid:SKIN: IMMEDIATELY FLUSH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF NECESSARY. INHALATION: IMMEDIATELY REMOVE VICTIUM TO FRESH AIR. GIVE CPR IF BREATHING IS STOPPED. GE T MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: GET PROMPT MEDICAL ATTENTION. KEEP AT REST. GIVE TWO GLASSES OF WATER AND INDUCE VOMITING.

## Fire Fighting

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Lower Limits:2.0

Upper Limits:12.7

Extinguishing Media:ALCOHOL-TYPE OR ALL-PURPOSE FOAMS BY MANUF. RECOMMENDED TECHNIQUES FOR LRG. FIRES. USE CO2 OR DRY CHEM. FOR SMALL FIRES.

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:VAPORS MAY TRAVEL AND BE IGNITED BY PILOT LIGHTS, FLAMES, SPARKS, HEATERS, ETC. AT DISTANCES FROM THE HANDLING POINT.

## Accidental Release

Spill Release Procedures:MINOR: ABSORB MATERIAL WITH CLAY, VERMICULITE, OR SIMILAR ABSORBENT MATERIAL. PLACE IN DISPOSAL CONTAINERS. MAJOR: DIKE & CONTAIN SPILL. ELIMINATE SOURCES OF IGNITION. SHUT OFF LEAKS. REMOVE LIQUID BY VACUUM OR ABSORBENT. FLUSH RESIDUE WITHWATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:USE ONLY IN WELL VENTILATED WORK AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE. FLAMMABLE LIQUID; EMPTY CONTAINERS CAN CONTAIN LIQUID/VAPOR RESIDUE.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXOPSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. EXPLOSION HAZARD. EMPTY DRUMS SHOULD BE C OMpletely DRAINED, BUNGED & DISPOSED OF.

## Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves:BUTYL RUBBER

Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD

Other Protective Equipment:SAFETY SHOES, EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health  
NONE

## Chemical Properties

HCC:F2

Boiling Pt:=-82.2C, 180.F

Vapor Pres:33  
Vapor Density:2.07  
Spec Gravity:0.7864  
Evaporation Rate & Reference:2.88 (BUTYL ACETATE=1)  
Solubility in Water:COMPLETE  
Appearance and Odor:COLORLESS LIQUID, CHARACTERISTIC ODOR  
Percent Volatiles by Volume:100

## Stability

Stability Indicator/Materials to Avoid:YES  
CONCENTRATED NITRIC AND SULFURIC ACIDS, STRONG OXIDIZERS, ALDEHYDES,  
HALOGENS, AND HALOGEN COMPOUNDS  
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES  
Hazardous Decomposition Products:BURNING MAY PRODUCE CARBON MONOXIDE  
AND OR CARBON DIOXIDE.

## Disposal

Waste Disposal Methods:DISPOSE OF ALL WASTE IN ACCORDANCE WITH LOCAL,  
STATE AND FEDERAL REGULATIONS. INCINERATION IS RECOMMENDED.

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