

POLYSCIENCES,INC. -- ISOPROPYL ALCOHOL -- 6810-00-983-8551

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Product Identification  
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Product ID:ISOPROPYL ALCOHOL  
MSDS Date:12/23/1991  
FSC:6810  
NIIN:00-983-8551  
MSDS Number: BGBLW  
=== Responsible Party ===  
Company Name:POLYSCIENCES,INC.  
Address:400 VALLEY ROAD  
City:WARRINGTON  
State:PA  
ZIP:18976  
Country:US  
Info Phone Num:215-343-6484  
Emergency Phone Num:215-343-6484  
CAGE:32939  
=== Contrac  
tor Identification ===  
Company Name:POLYSCIENCES INC  
Address:400 VALLEY RD  
Box:City:WARRINGTON  
State:PA  
ZIP:18976  
Country:US  
Phone:215-343-6484  
CAGE:32939

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Composition/Information on Ingredients  
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Ingred Name:ISOPROPYL ALCOHOL (SARA III)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 99.99%  
OSHA PEL:400 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9192

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Hazards Identification  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) 5,045 MG/KG (RTE

CS)

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, CNS,  
RESPIRATORY & GI TRACTS. ACUTE & CHRONIC- INHALATION MAY CAUSE CNS  
DEPRESSION & RESPIRATORY TRACT IRRITATION. INGESTION MAY CAUSE GI  
CRAMPS, NAUSEA & DIARRHEA. MAY CAUSE EYES & SKIN IRRITATION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYE, SKIN, RESPIRATORY & GASTROINTESTINAL  
TRACTS IR

RITATION, HEADACHE, DIZZINESS, NAUSEA, ABDOMINAL CRAMPS,  
DIARRHEA

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER OR RESPIRATORY FUNCTION  
MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:OBTAIN MEDICAL ATTENTION IF NEEDED. INGESTION:IF CONSCIOUS,  
DRINK NO MORE THAN 2 GLASSES OF WATER AND INDUCE VOMITING. KEEP  
HEAD BELOW HIPS WHIL  
E VOMITING. CALL PHYSICIAN. INHALATION:REMOVE  
FROM EXPOS URE. PROVIDE CPR/OXYGEN IF NEEDED. EYE:FLUSH WITH WATER  
FOR 15 MINUTES. HOLD EYE LIDS OPEN. SKIN:FLUSH WITH WATER.

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

Flash Point Method:CC

Flash Point:53.0F,11.7C

Lower Limits:2.0

Upper Limits:12.7

Extinguishing Media:USE FOAM, DRY CHEMICAL OR CARBON DIOXIDE. WATER MAY  
BE INEFFECTIVE BUT SHOULD BE USED TO COOL FIRE-EXPOSED CONTAINERS.

Fire Fighting Procedures:

WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS OPERATED IN  
POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE DUE TO HEAT OF  
FIRE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANCE  
FROM HANDLING SITE; FLASH-FIRE CAN RESULT.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES  
OF IGNITION. VENTILATE AREA.

REMOVE SPILL WITH NON-FLAMMABLE  
ABSORBENT SUCH AS SAND OR CLAY. PLACE IN CONTAINER FOR DISPOSAL.  
PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.  
Neutralizing Agent:DILUTE WITH WATER

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE, IN TIGHTLY  
CLOSED CONTAINERS IN FLAMMABLE LIQUID STORAGE ROOM/CABINET. AVOID  
EXCESSIVE HEAT. KEEP AWAY FROM INCOMPATIBLES.

Other Precautions:DO NOT CUT, WELD,  
SOLDER, DRILL OR EXPOSE CONTAINERS  
TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF  
IGNITION. WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH OF  
CHILDREN.

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

Respiratory Protection:IF LEVELS MAY OR DOES EXCEED THE RECOMMENDED  
HEALTH STANDARDS, WEAR A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.  
FOR EMERGENCY USE, WEAR A NIOSH APPROVED SELF-CONTAINED BREATHING  
APPARATUS.

Ventilation:MECHANICAL  
(GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)  
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NATURAL RUBBER, NEOPRENE

Eye Protection:SAFETY GLASSES/FACE SHIELD

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

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:181F,83C

Melt/Freeze Pt:M.P/F.P Text:-128F,-89C

Vapor Pres:33 @ 68F

Vapor Density:2.1

Spec Gravity:0.8

Evaporation Rate & Reference:2.88 (N-BUTYL ACETATE=1)

Solubility in Water:MISCIBLE

Appearance and Odor:CLEAR LIQUID - CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materia

Is to Avoid: YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid: HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: MAY EMIT CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods: INSURE CONFORMITY WITH GOVERNMENT DISPOSAL REGULATIONS. USE CERTIFIED VENDOR FOR DISPOSAL BY INCINERATION. HAZARDOUS WASTE D001.

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