

MATERIAL SAFETY DATA SHEET  
 NSN: 6505006558366  
 Manufacturer's CAGE: 11273  
 Part No. Indicator: A  
 Part Number/Trade Name: ISOPROPYL ALCOHOL, 70%

General Information

Item Name: ISOPROPYL RUBBING ALCOHOL, USP  
 Company's Name: Diamond Products  
 Record No. For Safety Entry: 007  
 Tot Safety Entries This Stk#: 016  
 Status: SM  
 Date MSDS Prepared: 01APR95  
 Safety Data Review Date: 28MAR96  
 Supply Item Manager: CX  
 MSDS Serial Number: BYHJG  
 Hazard Characteristic Code: F3  
 Unit Of Issue: BT  
 Unit Of Issue Container Qty: 16 OUNCES  
 Type Of Container: BOTTLE  
 Net Unit Weight: 16 OUNCES

Ingredients/Identity Information

Proprietary: NO  
 Ingredient: ISOPROPYL ALCOHOL (SARA III)  
 Ingredient Sequence Number: 01  
 Percent: 70 %  
 NIOSH (RTECS) Number: NT8050000  
 CAS Number: 67-63-0  
 OSHA PEL: 400 PPM/500 STEL  
 ACGIH TLV: 400 PPM/500STEL;9192  
 Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO  
 Ingredient: WATER  
 Ingredient Sequence Number: 02  
 Percent: 30 %  
 NIOSH (RTECS) Number: ZC0110000  
 CAS Number: 7732-18-5  
 OSHA PEL: NOT ESTABLISHED  
 ACGIH TLV: NOT ESTABLISHED  
 Other Recommended Limit: NONE RECOMMENDED

Physical/Chemical Characteristics

Appearance And Odor: CLEAR, COLORLESS SOLUTION, ISOPORPYL ALCOHOL ODOR  
 Boiling Point: NOT GIVEN  
 Melting Point: NOT GIVEN  
 Vapor Pressure (MM Hg/70 F): NOT GIVEN

Vapor Density (Air=1): NOT GIVEN  
Specific Gravity: NOT GIVEN  
Decomposition Temperature: UNKNOWN  
Evaporation Rate And Ref: NOT GIVEN  
Solubility In Water: COMPLETE  
Percent Volatiles By Volume: 70 %  
Corrosion Rate (IPY): UNKNOWN  
Autoignition Temperature: 399C

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Fire and Explosion Hazard Data  
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Flash Point: 69.8F, 21.0C  
Flash Point Method: TCC  
Lower Explosive Limit: 2.00 %  
Upper Explosive Limit: 12.7 %  
Extinguishing Media: FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG  
Special Fire Fighting Proc: FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.  
Unusual Fire And Expl Hazrds: ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIMITS. VAPORS CAN FLOW ALONG SURFACES TO DISTANT IGNITION SOURCES AND FLASH BACK.  
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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): HIGH TEMPERATURES, SPARKS, OPEN FLAMES  
Materials To Avoid: OXIDIZING AGENTS, ISOCYANATES, OLEUM, ALUMINUM, PERCHLORIC ACID  
Hazardous Decomp Products: CARBON MONOXIDE, CARBON DIOXIDE  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NONE. WILL NOT OCCUR.  
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Health Hazard Data  
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LD50-LC50 Mixture: NOT GIVEN FOR PRODUCT AS A WHOLE  
Route Of Entry - Inhalation: YES  
Route Of Entry - Skin: YES  
Route Of Entry - Ingestion: YES  
Health Haz Acute And Chronic: IRRITATION TO SKIN, EYES, LUNGS, MUCOUS MEMBRANES AND GI TRACT. PROLONGED EXPOSURE MAY CAUSE DERMATITIS.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.  
Signs/Symptoms Of Overexp: NAUSEA, NARCOSIS, DERMATITIS, SKIN IRRITATION,  
EYE IRRITATION, LUNG IRRITATION, MUCOUS MEMBRANE IRRITATION, GI TRACT

IRRITATION.

Med Cond Aggravated By Exp: PERSONE WITH PREEXISTING SKIN, EYE OR RESPIRATORY DISORDERS MAY BE MORE SUSCEPTIBLE.

Emergency/First Aid Proc: EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDICAL

ATTENTION. INGESTION: INDUCE VOMITING IMMEDIATELY. GET MEDICAL ATTENTION.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: EVACUATE ALL NON-ESSENTIAL PERSONNEL. REMOVE

ALL SOURCES OF IGNITION (FLAME, SPARK SOURCES, HOT SURFACES). VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN

ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions-Handling/Storing: STORE IN A COOL, WELL-VENTILATED PLACE. READ

LABEL ON CONTAINER BEFORE USING. FOR LABORATORY USE ONLY. NO FOR DRUG, FOOD

OR HOUSEHOLD USE.

Other Precautions: KEEP OUT OF REACH OF CHILDREN.

Control Measures

Respiratory Protection: IF EXPOSURE MAY OR DOES EXCEED OCCUPATION EXPOSURE

LIMITS USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD

WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN

AIR-PURIFYING RESPIRATOR.

Ventilation: EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW RESPECTIVE TLV'S.

Protective Gloves: VINYL OR RUBBER

Eye Protection: CHEMICAL GOGGLES, SAFETY GLASSES W/SIDES

Other Protective Equipment: CHEMICAL RESISTANT LAB COAT AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices: WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE

EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Suppl. Safety & Health Data: REMOVE AND WASH CONTAMINATED CLOTHING BEFORE

REUSE.

# Transportation Data

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Trans Data Review Date: 96088  
DOT PSN Code: HWY  
DOT Proper Shipping Name: ISOPROPANOL OR ISOPROPYL ALCOHOL  
DOT Class: 3  
DOT ID Number: UN1219  
DOT Pack Group: II  
DOT Label: FLAMMABLE LIQUID  
IMO PSN Code: ITK  
IMO Proper Shipping Name: ISOPROPYL ALCOHOL  
IMO Regulations Page Number: 3244 \*  
IMO UN Number: 1219  
IMO UN Class: 3.2  
IMO Subsidiary Risk Label: -  
IATA PSN Code: ONH  
IATA UN ID Number: 1219  
IATA Proper Shipping Name: ISOPROPANOL  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUID  
AFI PSN Code: ONH  
AFI Prop. Shipping Name: ISOPROPANOL  
AFI Class: 3  
AFI ID Number: UN1219  
AFI Pack Group: II  
AFI Label: FLAMMABLE LIQUID  
AFI Basic Pac Ref: A7.3

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## Disposal Data

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## Label Data

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Label Required: YES  
Technical Review Date: 28MAR96  
Label Date: UNKNOWN  
MFR Label Number: NONE  
Label Status: D  
Common Name: ISOPROPYL ALCOHOL, 70%  
Chronic Hazard: NO  
Signal Word: WARNING!  
Acute Health Hazard-Moderate: X  
Contact Hazard-Moderate: X  
Fire Hazard-Moderate: X  
Reactivity Hazard-Slight: X  
Special Hazard Precautions: IRRITATION TO SKIN, EYES, LUNGS, MUCOUS  
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IN A  
COOL, WELL-VENTILATED PLACE. READ LABEL ON CONTAINER BEFORE USING. FOR  
FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND  
WATER. IF