

CUMBERLAND-SWAN INC DIV OF PERRIGO CO -- ISOPROPYL ALCOHOL (IPA) -- 6810-00-983-8551

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Product Identification  
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Product ID:ISOPROPYL ALCOHOL (IPA)  
MSDS Date:03/01/2000  
FSC:6810  
NIIN:00-983-8551  
Status Code:A  
MSDS Number: CKYJD  
=== Responsible Party ===  
Company Name:CUMBERLAND-SWAN INC DIV OF PERRIGO CO  
Address:1 SWAN DR  
Box:129  
City:SMYRNA  
State:TN  
ZIP:37167  
Country:US  
Info Phone Num:615-459-8900  
Emergency Phone Num:615-459-8900 EXT. 5270  
Preparer's Name:NOT PROVIDED  
CAGE:0YRB8  
=== Contractor Identification ===  
Company Name:CUMBERLAND-SWAN INC DIV OF PERRIGO CO  
Address:1 SWAN DR  
Box:129  
City:SMYRNA  
State:TN  
ZIP:37167  
Country:US  
Phone:615-459-8900  
CAGE:0YRB8  
Company Name:P AND D CREATIVE CO, INC  
Address:20140 SCHOLAR DR SUITE 211  
Box:City:HAGERSTOWN  
State:MD  
ZIP:21742  
Country:US  
Phone:301-797-3503  
Contract Num:SP0450-01-M-D612  
CAGE:1CVB1

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Composition/Information on

Ingredients =====

Ingred Name:ISOPROPYL ALCOHOL  
CAS:67-63-0  
RTECS #:NT8050000  
= Wt:91.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:980 MG/M3;400 PPM  
ACGIH TLV:983 MG/M3;400 PPM  
ACGIH STEL:1230 MG/M3;500 PPM

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) 5,840 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALTION: MILD IRRITATIO  
N OF EYES,  
NOSE AND THROAT. INGESTION: DROWSINESS, HEADACHE. DERMAL CONTACT:  
DRY, CRACKING SKIN. ACUTE EFFECTS: IRRITATION OF SKIN AND/OR UPPER  
RESPIRATORY TRACT AS NOTED ABOVE. ACUTE CNS DEPRESSION MAY BE  
MANIFESTED AS GIDDINESS, HEADACHE, DIZZINESS AND/OR NAUSEA. CHRONIC  
EFFECTS: CHRONIC EXPOSURE CAN RESULT IN SKIN IRRITATION AND CONTACT  
DERMITITIS.

Explanation of Carcinogenicity:NOT IDENTIFIED AS A CARCINOGEN BY OSHA,  
IARC, OR NTP.

Effects of Overexposure:INHALTIO  
N: MILD IRRITATION OF EYES, NOSE AND  
THROAT. INGESTION: DROWSINESS, HEADACHE. DERMAL CONTACT: DRY,  
CRACKING SKIN.

Medical Cond Aggravated by Exposure:PRE-EXISTING DISORDERS OF THE SKIN,  
EYES, AND RESPIRATORY TRACT MAY BE EXACERBATED BY EXPOSURE TO  
ISOPROPYL ALCOHOL.

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

First Aid:EYE: FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15  
MINUTES. SKIN: FLUSH WITH WATER. IF IRRITATION PERSISTS, SEEK  
MEDI

CAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING IF VICTIM IS  
UNCONSCIOUS OR DROWSY. SEEK MEDICAL ATTENTION OR CONTACT THE  
POISON CONTROL CENTER. INHALTION: REMOVE VICTIM TO FRESH AIR AND  
PROVIDE OXYGEN IF BREATHING IS DIFFICULT. SEEK MEDICAL ATTENTION IF  
BREATHING CONTINUES TO BE DIFFICULT.

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

Flash Point Method:TOC  
Flash Point:=12.2C, 54.F  
Autoignition Temp:Autoignition Temp Text:N/AV  
Extinguishing Media:WATE

R FOG, ALCOHOL FOAM, DRY CHEMICAL OR CO2.

Fire Fighting Procedures: CLEAR AREA OF UNPROTECTED PERSONNEL. WEAR COMPLETE TURNOUT GEAR. COOL CONTAINERS EXPOSED TO FIRE WITH WATER.  
Unusual Fire/Explosion Hazard: CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH LARGE AMOUNT OF WATER TO PREVENT BUILDUP OF INTERNAL PRESSURE DUE TO VAPOR GENERATION WHICH COULD RESULT IN CONTAINER RUPTURE.

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

Spill Release

Procedures: ELIMINATE ALL IGNITION SOURCES. EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. EVACUATE AREA OF UNPROTECTED PERSONNEL. CONTAIN SOURCE OF SPILL. DIKE OR OTHERWISE CONFINE SPILLED PRODUCT. UNCONTROLLED RELEASE TO AIR, LAND, OR WATER MAY BE REPORTABLE TO NATIONAL RESPONSE CENTER (800-424-8802). SMALL: TAKE UP WITH ABSORBENT MATERIAL AND PLACE IN NON-SPARKING CONTAINER. SEAL TIGHTLY.

Neutralizing Agent: NOT RELEVANT

===== Handling and Storage =  
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Handling and Storage Precautions: STORE IN TIGHTLY CLOSED CONTAINERS IN A COOL, DRY AREA AWAY FROM HEAT AND OTHER POSSIBLE IGNITION SOURCES. USE NON-SPARKING TOOLS TO OPEN CONTAINERS. MAINTAIN APPROPRIATE CLASS OF FIRE EXTINGUISHERS NEARBY IN CASE OF FIRE.

Other Precautions: NOT PROVIDED

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

Respiratory Protection: NIOSH APPROVED RESPIRATORY PROTECTION REQUIRED WHEN ABOVE PEL/TWA.

Ventilation: U

USE EXPLOSION PROOF VENTILATION EQUIPMENT AS NECESSARY TO MAINTAIN CONCENTRATIONS BELOW PEL. GROUND ALL CONTAINERS TO PREVENT STATIC SPARKS.

Protective Gloves: GLOVES

Eye Protection: GOGGLES

Other Protective Equipment: NOT PROVIDED

Work Hygienic Practices: CLEAN PPE AND WORK CLOTHING CONTAMINATED PRIOR TO REUSE. AFTER WORKING, WITH THIS PRODUCT, BE SURE TO WASH BEFORE EATING, SMOKING, DRINKING, OR APPLYING COSMETICS.

Supplemental Safety and Health

TRAIN EMPLOYEES ON THE HAZARD OF ISOP

ROPYL ALCOHOL. ABBREVIATION: N/A

= NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=82.2C, 180.F

Melt/Freeze Pt:M.P/F.P Text:-32C TO -50C

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:33 @ 68F

Spec Gravity:0.790

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS, VOLATILE LIQUID WITH THE ODOR OF RUBBING ALCOHOL

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ACETALDEHYDE, CHLORINE, ETHYLENE OXIDE, ACIDS, ISOCYANATES

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAME. DO NOT STORE IN ALUMINUM > 120 F.

Hazardous Decomposition Products

Products:CO AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED

===== Toxicological Information =====

Toxicological Information:LD50 (ORAL, RAT) 5,840 MG/KG; 13,000 MG/KG (ACUTE DERMAL - RABBIT). LD50 16,000 PPM/8 HR (INHALATION, RAT). MUTAGENICITY: NOT INDICATED. LDL0: 5,000 MG/KG (ORAL - RABBIT). REPRODUCTIVE EFFECTS: NOT INDICATED.

===== Ecological Information =====

Ecological:ECOTOXICITY: N/A. ENVIRONMENTAL FATE

: N/A. SOIL

ABSORPTION/MOBILITY: HIGHLY MOBILE. ENVIRONMENTAL DEGRADATION:  
SHOULD BE REMOVED READILY FROM SOILS AND WATER BY VOLATILIZATION  
AND BIODEGRADATION.

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Disposal Considerations  
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Waste Disposal Methods: CONTACT YOUR SUPPLIER OR LICENSED CONTRACTOR FOR  
DETAILED RECOMMENDATIONS. FOLLOW APPLICABLE FEDERAL, STATE AND  
LOCAL REGULATIONS. CONSIDER FUELS BLENDING AS AN ALTERNATIVE TO  
INCINERATION.

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MSDS Transp  
ort Information  
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Transport Information: DOT SHIPPING NAME: ISOPROPANOL. DOT HAZARD CLASS:  
3. UN ID NUMBER: UN 1219. DOT PACKING GROUP: I I. DOT LABEL:  
FLAMMABLE LIQUID.

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Regulatory Information  
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SARA Title III Information: CERCLA SUBSTANCE: N/A. HAZARDOUS AIR  
POLUTANT (CAA): NO. SARA 311/312 CODES: N/A. SARA TOXIC CHEMICAL:  
YES (STRONG MANUFACTURING ONLY). CERCLA REPORTABLE QUANTITY: 10,000  
LBS (DEFAULT).

Federal  
Regulatory Information: RCRA HAZARDOUS WASTE NUMBER/  
CLASSIFICATION: D001.

State Regulatory Information: NOT PROVIDED

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Other Information  
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