

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

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

Product ID:ISOPROPYL ALCOHOL (IPA)  
 MSDS Date:03/01/2000  
 FSC:6810  
 NIIN:00-983-8551  
 Status Code:A  
 MSDS Number: CKYJB  
 === 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

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

Ingred Name:ISOPROPYL ALCOHOL  
 CAS:67-63-0  
 RTECS #:NT8050000  
 = Wt:50.  
 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 IRRITATION 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:INHALTION: 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 MEDICAL 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:=23.6C, 74.5F  
Autoignition Temp:Autoignition Temp Text:N/AV  
Extinguishing Media:WATER 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 =====

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: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 ISOPROPYL 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 ES  
TABLISHED.

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

HCC:F3  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:=80.C, 176.F  
Melt/Freeze Pt:M.P/F.P Text:-32C TO -50C  
Decomp Temp:Decomp Text:NOT PROVIDED  
Vapor Pres:29 @ 68F  
Spec Gravity:0.929  
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: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 I NDICATED.

===== 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.

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

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.

===== MSDS Transport Information =====

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

===== Regulatory Information =====

SARA Title III Information:CERCLA SUBSTANCE: N/A. HAZARDOUS AIR  
POLLUTANT (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

===== Other Information =====

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