

CUMBERLAND-SWAN INC/DIV OF PERRIGO COISOPROPYL
ALCOHOL 70 %**SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****MSDS Name:** ISOPROPYL ALCOHOL 70 %**Manufacturer Name:** CUMBERLAND-SWAN INC/DIV OF PERRIGO CO**Address:**

1 SWAN DRAIVE Box: 129

City: SMYRNA

State: TN

Zip: 37167

Country: US

Business Phone: 615-459-8900

For information in North America, call: 615-459-8900

Health Phone: 615-459-8900/800-424-9300(CHEMTREC)**Manufacturer MSDS Creation Date:**

04/01/1991

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Chemical Name	CAS#	Percent	
ISOPROPYL ALCOHOL (SARA 313)	67-63-0	70	

RTECS:

NT8050000

OSHA PEL TWA: 400 PPM**ACGIH TLV TWA:** 400 PPM/500STEL; 9596**ACGIH STEL/Ceiling:** N/P**Comments:**

Other REC Limits: NONE RECOMMENDED ; Ozone Depleting Chemical: N ;

Chemical Name	CAS#	Percent	
WATER	7732-18-5	30	

RTECS:

ZC0110000

OSHA PEL TWA: NOT RELEVANT**ACGIH TLV TWA:** NOT RELEVANT**ACGIH STEL/Ceiling:** N/P**Comments:**

Other REC Limits: NONE RECOMMENDED ; Ozone Depleting Chemical: N ;

SECTION 3 : HAZARDS IDENTIFICATION

Applies to all Ingredients.:

Route of Exposure:

Inhalation: YES Skin: NO Ingestion: NO

Potential Health Effects:

TARGET ORGANS: EYE, SKIN, CNS, RESPIRATORY & GI TRACTS. ACUTE- MAY CAUSE MODERATE EYE IRRITATION. MAY INJURE EYE IF NOT REMOVED PROMPTLY. MILDLY IRRITATING TO SKIN. INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSION. MINIMAL ORAL TOXICITY, BUT ASPIRATION HAZARD. CHRONIC- UNKNOWN.

Carcinogenicity:

NONE

OSHA Designation: NO

NTP Designation: NO

IARC Designation: NO

Signs/Symptoms:

IRRITATION, HEADACHE, DIZZINESS, DROWSINESS, NAUSEA, VOMITING, TEARING, DEFATTING OF SKIN, CRACKING, BURNING SENSATION

Aggravation of Pre-Existing Conditions:

PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

LD 50 LC 50 Mixture

LD50 (ORAL, RAT) IS UNKNOWN.

SECTION 4 : FIRST AID MEASURES

First Aid

CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN: FLUSH WITH PLENTY OF WATER. INHALED: MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL: IF CONSCIOUS & WITHIN THE FIRST 15 MINUTES, INDUCE VOMITING UPON DIRECTION OF PHYSICIAN/POISON CONTROL CENTER. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR DROWSY.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:

70.5F,21.4C

Flash Point Method:

TOC

Upper Flammable or Explosive Limit: 12.0

Lower Flammable or Explosive Limit: 2.0

Auto Ignition Temperature: N/K

Extinguishing Media:

USE WATER FOG/SPRAY, CARBON DIOXIDE, "ALCOHOL" FOAM, OR DRY CHEMICAL.
COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Instructions:

DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER
PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS.

Unusual Fire Hazards:

VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A
SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO
VAPOR PRESSURE BUILDUP.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Leak Response:

WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH NON-
FLAMMABLE ABSORBENT SUCH AS SAND, VERMICULITE OR EARTH. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID
FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS.

Other Precautions:

DO NOT STORE/HANDLE IN ALUMINUM EQUIPMENT AT TEMPERATURES >120F. AVOID BREATHING VAPORS. DO NOT GET IN
EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. KEEP OUT OF
REACH OF CHILDREN. DO NOT INGEST.

Neutralizing Agent

NOT RELEVANT

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SECTION 7 : HANDLING and STORAGE

Handling:

STORE IN TIGHTLY CLOSED CONTAINERS IN A COOL & VENTILATED AREA AWAY
FROM STRONG OXIDANTS. KEEP AWAY FROM SOURCES OF IGNITION.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation System:

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

Hand Protection Description:

RUBBER, NEOPRENE FOR REPEATED CONTACT

Eye/Face Protection:

SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Respiratory Protection:

IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED AIR RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Other Protective:

EYE BATH, SAFETY SHOWER, WASHING FACILITIES

Other:

N/P

Work Hygienic Practices

OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:

CLEAR, COLORLESS LIQUID - MILD ALCOHOL ODOR

pH:

N/R

Decomposition Temperature:

UNKNOWN

Vapor Pressure:

UNKNOWN

Vapor Density:

1.6

Boiling Point:

170F, 77C

Melting Point:

UNKNOWN

Solubility In Water:

COMPLETE

Specific Gravity:

0.878

Evaporation Point:

1.7 (N-BUTYL ACETATE=1)

Percent Volatile:

100

Viscosity:

UNKNOWN

Other:

Corrosion Rate: N/R

Comment:

NRC/State LIC Number: NOT RELEVANT

HCC

F2

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SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:

YES

Conditions to Avoid:

HIGH HEAT, OPEN FLAMES

Incompatibilities with Other Materials:

STRONG OXIDIZING AGENTS

Hazardous Polymerization:

NO

Hazardous Decomposition Products:

MAY EMIT CARBON MONOXIDE, CARBON DIOXIDE.

Conditions To Avoid Polymerization

NOT RELEVANT

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SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological Paragraph:

N/P

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SECTION 12 : ECOLOGICAL INFORMATION

Ecological Paragraph:

N/P

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SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:

DISPOSE IN AN APPROVED INCINERATOR OR CONTRACT WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT OR DISPOSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS. WHEN EMPTY, THOROUGHLY RINSE C ONTAINER WITH WATER BEFORE DISPOSAL.

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SECTION 14 : TRANSPORT INFORMATION

Transportation Information:

N/P

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SECTION 15 : REGULATORY INFORMATION

Applies to all ingredients:

SARA:

N/P

US Federal:

N/P

State:

N/P

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SECTION 16 : ADDITIONAL INFORMATION

MSDS Author:

UNKNOWN

Disclaimer:

Please note that although the information, opinions and recommendations contained in these Material Safety Data Sheets are compiled from sources believed to be reliable, we accept no responsibility for the accuracy, sufficiency, or reliability or for any loss or injury resulting from the use of the information. Newly discovered hazards are frequent and this information may not be completely up to date.

Other Information

N/P

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