

CUMBERLAND-SWAN INC/DIV OF PERRIGO CO -- ISOPROPYL ALCOHOL 70 % -- 6505-00-205-6513
===== Product Identification =====

Product ID:ISOPROPYL ALCOHOL 70 %
MSDS Date:04/01/1991
FSC:6505
NIIN:00-205-6513
MSDS Number: CGMTL
=== Responsible Party ===
Company Name:CUMBERLAND-SWAN INC/DIV OF PERRIGO CO
Address:1 SWAN DRAIVE
Box:129
City:SMYRNA
State:TN
ZIP:37167
Country:US
Info Phone Num:615-459-8900
Eme
rgency Phone Num:615-459-8900/800-424-9300(CHEMTREC)
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

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

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 70%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9596

Ingred N

ame:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic: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 TRA CT IRRITATION, CENTRAL NERVOUS
SYSTEM DEPRESSION. MINIMAL ORAL TOXICITY, BUT ASPIRATION HAZARD.
CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, DROWSINESS,
NAUSEA, VOMITING, TEARING, DEFATTING OF SKIN, CRACKING, BURNING
SENSATION

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDE

RS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

=====
===== 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:I F CONSCIOUS & WITHIN THE FIRST 15 MINUTES, INDUCE
VOMITING UPON DIRECTION OF PHYSICIAN/POISO
N CONTROL CENTER. NEVER
GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR DROWSY.

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

Flash Point Method:TOC

Flash Point:70.5F,21.4C

Lower Limits:2.0

Upper Limits:12.0

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

Fire Fighting Procedures:DO NOT ENTER ANY ENCLOSED OR CONFINED AREA
WITHOUT PROPER PROTECTIVE EQUIPMENT

AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: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.

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

Spill Release Procedures: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.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN
A COOL & VENTILATED AREA AWAY FROM STRONG OXIDANTS. KEEP AWAY FROM
SOURCES OF IGNITION.

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.

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

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 BREAT HING APPARATUS.

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

Protective Gloves:RUBBER, NEOPRENE FOR REPEATED CONTACT

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLESS

Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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

HCC:F2

NRC/State Lic

Num:NOT RELEVANT
Boiling Pt:B.P. Text:170F,77C
Vapor Density:1.6
Spec Gravity:0.878
Evaporation Rate & Reference:1.7 (N-BUTYL ACETATE=1)
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR, COLORLESS LIQUID - MILD ALCOHOL ODOR
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES
Hazardous Decomposition Products:MAY EMIT CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods: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 CONTAINER WITH WATER BEFORE DISPOSAL.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.