

MCCALL OIL & CHEMICAL CORP/FORMERLY GREAT WESTERN -- ISOPROPANOL ANHYDROUS --
6810-01-220-9907

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

Product ID:ISOPROPANOL ANHYDROUS

MSDS Date:07/31/1991

FSC:6810

NIIN:01-220-9907

MSDS Number: BWZNB

=== Responsible Party ===

Company Name:MCCALL OIL & CHEMICAL CORP/FORMERLY GREAT WESTERN

Address:808 SW 15TH AVE

City:PORTLAND

State:OR

ZIP:97205

Country:US

Info Phone Nu

m:503-228-2600

Emergency Phone Num:503-228-2600/800-424-9300(CHEMTREC)

Preparer's Name:MIKE HOEFLER

CAGE:2P121

=== Contractor Identification ===

Company Name:MCCALL OIL & CHEMICAL CORP/FORMERLY GREAT WESTERN

Address:808 SW 15TH AVE

Box:City:PORTLAND

State:OR

ZIP:97205-1907

Country:US

Phone:503-228-2600/800-424-9300(CHEMTREC)

CAGE:2P121

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

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9495

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

LD50 LC50 Mixture:ORAL LD50 (RAT) 5,045 MG/KG (RTECS)

Routes of Entry: Inhalation:YES Skin:YES 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- HARMFUL IF

INHALED/INGESTED/ABSORBED THROUGH SKIN. MAY CAUSE CNS DEPRESSION,

LOW BLOOD PRESSURE, RAPID HEART BEAT & LIVER DAMAGE. IN EXTRE ME CASES, UNCONSCIOUSNESS, RESPIRATORY DEPRESSION & DEATH MAY OCCUR. EYE & SKIN IRRITANT. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED LIVER OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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First Aid Measures =====

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:DO NOT IN DUCE VOMITING. IF CONSCIOUS, DRINK LARGEAMOUNT OF MILK/WATER. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTIHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point Method:TCC

Flash Point:53.0F,11.7C

Autoignition Temp:Autoignition Temp Text:852F

Lower Limits:2.5

Upper Limits:12.0

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

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE DUE TO HEAT OF

FIRE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANCE FROM HANDLING SITE; FLASH-FIRE CAN RESULT.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH PUMP(EXPLOSION PROOF)/WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LI QUID FROM ENTERING SEWERS, WATERWAYS ORLOW AREAS.

Neutralizing Agent:DI

LUTE WITH WATER

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN FLAMMABLE LIQUID STORAGE ROOM/CABINET. AVOID EXCESSIVE HEAT. KEEP AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. ALWAYS GROUND AND BOND CONTAINER BEFORE TRANSFERRING.

===== 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 BREATHING APPARATUS.

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

Protective Gloves:NATURAL RUBBER, NEOPRENE

Eye Protection:

SAFETY GLASSES+FACE SHIELD/CHEM GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:F2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=83.C, 181.4F

Melt/Freeze Pt:=-88.C, -126.4F

Vapor Density:2.1

Spec Gravity:0.7854

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS, MOBILE LIQUID - STRONG ALCOHOL

ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, OLEUM (FUMING SULFURIC ACID) AND SOME ALDEHYDES

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER

SOURCES OF IGNITION

Hazardous Decomposition Prod

ucts: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 C ONTAINER WITH WATER BEFORE DISPOSAL.

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