View NSN Online: https://aerobasegroup.com/nsn/6810-00-855-1158

Product ID:ISOPROPYL ALCOHOL,31110

MSDS Date:06/15/1993

FSC:6810

NIIN:00-855-1158

MSDS Number: BRGXR === Responsible Party ===

Company Name: SHELL OIL COMPANY

Address: HEALTH, SAFETY AND ENVIRONMENT

Box:4320

City:HOUSTON

State:TX ZIP:77210 Country:US

Info Phone Num:713-241-4819/800-240-6737

Emergency

Phone Num:713-241-4819/800-424-9300(CHEMTREC)

CAGE:54527

=== Contractor Identification ===

Company Name: HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609 City:WICHITA State:KS

ZIP:67219 Country:US

Phone:316-838-4663

CAGE:0A9L8

Company Name: SHELL OIL COMPANY

Address:Box:2463 City:HOUSTON

State:TX ZIP:77210 Country:US

Phone:800-231-6950

CAGE:54527

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

Ingred Name: ISOPROPYL ALCOHOL (SARA 313)

CAS:67-63-0

RTECS #:NT8050000

Fraction

by Wt: 100%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9495

Ingred Name: VOLATILE ORGANIC COMPOUNDS

RTECS #:9999999VO Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:NOT RELEVANT ACGIH TLV:NOT RELEVANT

LD50 LC50 Mixture:LD50 (ORAL, RAT) 5,840 MG/KG Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute a

nd Chronic:TARGET ORGANS:EYE, SKIN, CNS,

RESPIRATORY & GI TRACTS. ACUTE- HARMFUL IF INHALED/INGESTED. MAY CAUSE IRRITATION, HEADACHE, VOMITING. IN EXTREME CASES, UNCONSCIOUSNESS, RESPIRATORY DEPRESSION & DEATH M AY OCCUR. EYE & SKIN IRRITANT. MAY DAMAGE EYE & CAUSE BURNS. MAY DRY SKIN. CHRONIC-

MAY CAUSE CNS DEPRESSION, DERMATITIS

**Explanation of Carcinogenicity:NONE** 

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA, VOMITING, COMA, EYE DAMAGE AND BURNS, DRYI

NG SKIN AND DERMATITIS,

STOMACH CRAMPS, DIARRHEA, UNCONSCIOUSNESS, DEATH, JAUNDICE, LOSS OF APPETITE, PAIN IN THE UPP ER ABDOMEN ON THE RIGHT SIDE.

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

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FO

R 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN.

SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS, DRINK WATER &INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

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

Flash Point Method:TCC Flash Point:53.0F,11.7C Lower Limits:2

Upper Limits:12 Extinguish

ing Media:USE WATER SPRAY, 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. DO NOT USE A DIRECT STREAM OF WATER.

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.

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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: DILUTE 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 TRANSF ERRING. EMPTY CONTAINER RETAINS RESIDUE.

===== 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: NATURAL RUBBER, NEOPRENE

Eye Protection:SAFETY GLASSES+FACE SHIELD/CHEM GOGGLES Other Protective Equipment:EYE WASH STATION & SAFETY SHOW

ERS 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
NOTE TO PHYSICIAN:THERE IS NO SPECIFIC ANTIDOTE. KEEP VICTIM'S HEAD BELOW HIPS WHILE VOMITING.
========= Physical/Chemical Properties ==========
HCC:F2 NRC/State Lic Num:NOT RELEVANT Boiling Pt:B.P. Text:180F,82C Melt/Fre eze Pt:M.P/F.P Text:-127F,-88C Vapor Pres:32 @ 68F Vapor Density:2.1 Spec Gravity:0.789 Viscosity:NOT RELEVANT Evaporation Rate & Description Rat
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS, ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120F. Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER

SOURCES OF IGNITION

Hazardous Decomposition Products: MAY EMIT CARBON MONOXIDE, CARBON DIOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS.

======= 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, THROUGHLY RINSE C ONTAINER

## WITH WATER BEFORE DISPOSAL.

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