View NSN Online: https://aerobasegroup.com/nsn/6810-00-855-6160 SHELL CHEMICALS CANADA LIMITED -- I.P.A. 99 ISOPROPYL ALCOHOL -- 6810-00-855-6160 Product ID:I.P.A. 99 ISOPROPYL ALCOHOL MSDS Date:09/10/1997 FSC:6810 NIIN:00-855-6160 MSDS Number: CJLTF === Responsible Party === Company Name: SHELL CHEMICALS CANADA LIMITED Address:400 4TH AVE SW SECTION C Box:4280 City: CALGARY, ALBERTA CANADA Info Phone Num:403-691-3111 ergency Phone Num:613-996-6666 Resp. Party Other MSDS Num.:721-100 Preparer's Name: TOXI & SAFETY SECTION CAGE:36131 === 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 CHEMICALS CANADA LIMITED Address:400 4TH AVE SW STATION C Box:4280 City: CALGARY, ALBERTA CANADA Phone: 403-691-2638/800-567-8860 CAGE:36131 ====== Composition/Information on Ingredient S ======== Ingred Name: ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0 RTECS #:NT8050000 = Wt:100.Other REC Limits: NONE RECOMMENDED OSHA PEL:400 PPM/500 STEL ACGIH TLV:400 PPM/500STEL;9293

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5840 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO Health Hazards Acute and Chronic: EYE-MODERATELY IRRITATING. SKIN -MII DI Y IR

RITATING. INHALATION-MAY CAUSE MILD IRRITATION TO THE NOSE, THROAT & RESPIRATORY TRACT & MAY RESULT IN CENTRAL NERVOUS SYSTEM DEPRESSION. INGESTION-IRRITATING TO THE GASTROINTESTINALTRACT, CAUSING ABDOMINAL PAIN & VOMITING, SOMETIMES BLOODY. CHRONIC:DERMATITIS.

Explanation of Carcinogenicity:ISOPROPANOL IS CLASSIFIED IARC-3(INSUFFICIENT EVIDENCE-HUMAN).

Effects of Overexposure:EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS, FATIGUE AN

D NAUSEA: IN

EXTREME CASES, UNCONSCIOUSNESS, RESPIRATORY DEPRESSION. LIVER DAMAGE MAY BE EVIDENCED BY LOS S OF APPETITE, JAUNDICE AND SOMETIMES PAIN IN THE UPPER ABDOMEN ON THE RIGHT SIDE.

Medical Cond Aggravated by Exposure:PREEXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

First Aid:EYE-FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENT

ION. SKIN-FLUSH WITH WATER. INHALATION-REMOVE VICTIM
TO FRESH AIR & PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET
MEDICAL ATT ENTION. INGESTION-DO NOT GIVE LIQUIDS IF VICTIM IS
UNCONSCIOUS OR DROWSY. DO NOT INDUCE VOMITING, IF VOMITING OCCURS
KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION INTO LUNGS. SEEK MEDICAL
HELP IMMEDIATEL Y.

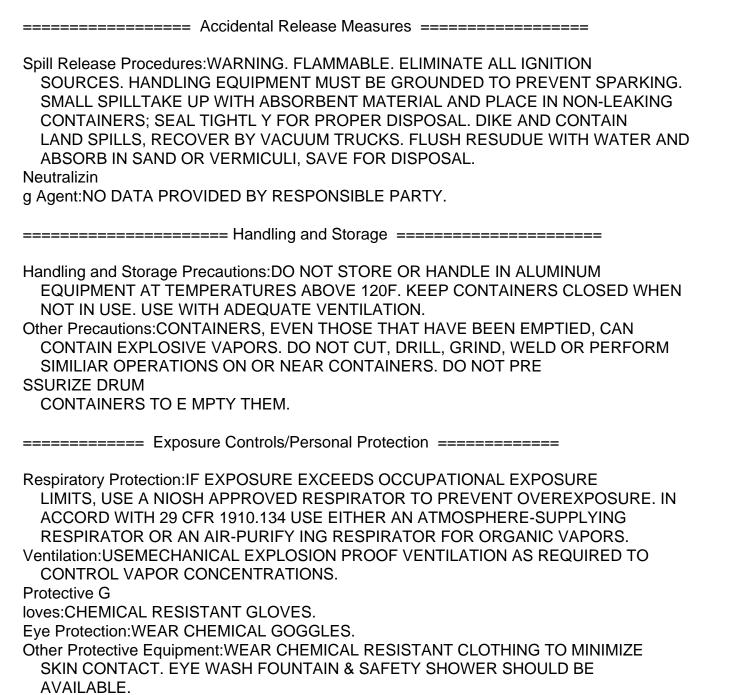
Flash Point Method:TCC Flash Point:=14.C, 57.2F

Lower Limits:2 Upper Limits:12

Extinguishing Media: USE WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

Fire Fighting Procedures:WARNING. FLAMMABLE LIQUID. CLEAR FIRE AREA OF PERSONNEL. DO NOT ENTER CONFINED SPACE WITHOUT FULL BUNKER GEAR, INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SCBA. USE WATER TO COOL FIRE EXPOSED CONTAIN ERS.

Unusual Fire/Explosion Hazard:CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CO



Work Hygienic Practices: WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LUANDER CONTAMINATED CLOTHING.

NOTE TO PHYSICIAN IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSION OR

NTAINER RUPTURE.

Supplemental Safety and Health

UNCONSCIOUSNESS OCCURS BEFORE

EMESIS, GASTRIC LAVAGE SHOULD BE CONSIDERED FOLLOWING INTUBATION WITH A CUFFED ENDOTRACHEAL TUBE. HEMODIALYSIS SHOILD BE CONSIDERD IN SEVERE ACUTE INTOXICATIONS.

=======================================	Physical/Chemical	Properties	=======================================
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HCC:F2

Boiling Pt:=82.2C, 180.F

B.P. Text:82-83C

Melt/Freeze Pt:=-86.C, -122.8F

M.P/F.P Text:-86 TO -89

Vapor Pres:33 MMHG @20C

Vapor Density:2.1 Spec Gravity:0.79

Evaporation Rate & Deference: 1.4 (N-BUTYL ACETATE=1)

Solubility in Water: COMPLETE

Appearan

ce and Odor: COLORLESS, MOBILE LIQUID, ALCOHOL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS. DO NOT STORE OR HANDLE IN ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120F.

Stability Condition to Avoid: AVOID HEAT, SPARKS, FLAME.

Hazardous Decomposition Products: CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

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======= Toxicological Information ==========

Toxicological Information:ORAL RAT LD50 = 4720 MG/KG; INHALATION RAT LC50 = 12000 PPM/8 HRS; DERMAL RABBIT LD50= 12900 MG/KG

======== Ecological Information ===========

Ecological:DO NOT ALLOW PRODUCT OR RUNOFF FROM FIRE CONTROL TO ENTER STORM OR SANITORY SEWERS, LAKE, RIVERS, STREAMS OF PUBLIC WATERWAYS. MAY BE HARMFUL TO AQUATIC LIFE. AQUATIC TOXICITY RATING (TLM 96) = 10 TO 100 PPM. NO

FOOD CHAIN CONCENTRATION POTENTIAL. BIODEGRADABILITY= RAPID VOLATILIZATION.
======= Disposal Considerations ==========
Waste Disposal Methods:RECYCLE, INCINERATE OR DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
======== MSDS Transport Information ==========
Transport Information:CANADIAN TDG DESCRIPTION (ROAD & RAIL): SHIPPING NAME: ISOPROPANOL. CLASS DESCRIPTION: CLASS 3, FLAMMABLE LIQUID, PACKING GROUP II. U N NUMBER: 1219.
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SARA Title III Information:NO DATA PROVIDED BY RESPONSIBLE PARTY. Federal Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY. State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.
========= Other Information =============
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