View NSN Online: https://aerobasegroup.com/nsn/6850-01-016-3482

Product ID: ISOPROPANOL, ANHYDROUS - FEDERAL GRADE MSDS Date:01/26/1998 FSC:6850 NIIN:01-016-3482 Status Code:A MSDS Number: CKTNM === Responsible Party === Company Name: ASHLAND CHEMICAL CO Box:2219 City:COLUMBUS State:OH ZIP:43216 Country:US Info Phone Num:614-790-3333 **Emergency Ph** one Num:800-274-5263 Resp. Party Other MSDS Num.: MSDS NO.: 999.000 1444-008.006 CAGE:81355 === Contractor Identification === **Company Name: ASHLAND INC** Address:1409 WINCHESTER AVE Box:391 City:ASHLAND State:KY ZIP:41114 Country:US Phone:800-622-6846 CAGE:81355 Company Name: C AND H ENTERPRISES INC Address:222 STARKEY ST Box:City:SAINT PAUL State:MN ZIP:55107 Country:US Phone:651-227-4343/FAX: 651-227-2485 Contract Num:SP0450-00-M-SJ27 CAGE:0ZAU9

======= Composition/Information on Ingredient

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Ingred Name:ISOPROPANOL CAS:67-63-0 RTECS #:NT8050000 = Wt:100. OSHA PEL:980 MG/M3;400 PPM ACGIH TLV:983 MG/M3;400 PPM ACGIH STEL:1230 MG/M3;500 PPM

LD50 LC50 Mixture:NONE PROVIDED BY MFR. Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:EYES: CAN CAUSE EYE IRRITATION. SKIN: MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN. SWALLOWING

: SWALLOWING SMALL AMOUNTS OF THIS MATERIAL

DURING NORMAL HANDLING IS NO T LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL. INHALATION: BREATHING OF VAPOR OR MIST IS POSSIBLE. BREATHING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT L IKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE AMOUNTS MAY BE HARMFUL. TARGET ORGANS: OVEREXPOSURE IN LABORTORY ANIMALS CAUSED MILD, REVERSIBLE LIVER EFFECTS.

Explanation of Carcinogenicity: BASED ON T

HE AVAILABLE INFORMATION, THIS

MATERIAL CANNOT BE CLASSIFIED WITH REGARD TO CARCINOGENICITY. THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY THE INTERNATIONAL AGCNCY FOR RESEARCH ON CANCER, N ATIONAL TOXICOLOGY PROGRAM, OR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.

Effects of Overexposure:EYES: IRRITATION, STINGING, TEARING, REDNESS, SWELLING. SKIN: IRRITATION, REDNESS, BURNING, DRYING AND CRACKING OF SKIN, SKIN BURNS. INGESTION/INHALATION: STOMACH OR INTESTINAL UP

SET (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, AIRWAYS), CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS), LOW BLOOD PRESSURE, MILD, TEMPORARY C HANGES IN LIVER, EFFECTS ON HEART RATE, RESPIRATORY DEPRESSION (SLOWING OF BREATHING RATE), LOSS OF COORDINATION, CONFUSION, LUNG EDEMA (FLUID BUILDUP IN THE LUNG TISSUE), KIDNEY DAMAGE, COMA.

Medical Cond Aggravated by Exposure: PREEXISTING DISORDERS OF

THE FOLLOWING ORGANS (OR ORGAN SYSTEMS) MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL: SKIN, LUNG (FOR EXAMPLE, ASTHMA-LIKE CONDITIONS), KIDNEY.

First Aid:EYES: FLUSH EYES GENTLY WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS APART; SEEK MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, S EEK MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE. SWALLOWING: SEEK MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO UNCONSCIOUS OR DROWSY PERSON. PLACE INDIVIDUAL ON LEFT SIDE WITH HEAD DOWN. C ONTACT PHYSICIAN OR MEDICAL FACILITY FOR ADVICE ABOUT WHETHER TO INDUCE VOMITING. INHALATION: MOVE TO FRESH AIR. SEEK MEDICAL ATTENTION. IF NOT BREATHING GIVE ARTIFICAL RESPIRATION. IF BREATHING IS DI FFICULT, GIVE OXYGEN.

Flash Point Method:TCC Flash Point:=11.7C, 53.F Autoignition Temp:=398.9C, 750.F Lower Limits:2.0 Upper Limits:12.0 Extinguishing Media: ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL. Fire Fighting Procedures:WATER MAY BE INEFFECTIVE. WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT. WEAR A SELF CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DE MAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT. Unusual Fir e/Explosion Hazard: VAPORS HEAVIER THAN AIR AND MAY TRAVEL ALONG GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY DISTANT IGNITION SOURCES. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRO DUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

Spill Release Procedures:SMALL SPILL: ABSORB ON VERMICULITE, OTHER ABSORBENT. LARGE SPILL: ELIMINATE IGNITION SOURCES. STOP SPILL. PREVEN T FROM ENTERING DRAINS, SEWERS, STREAMS OR BODIES OF WATER. PREVENT SPREADING. IF RUNOFF OCCURS, NOTIFY AUTHORITIES AS REQUIRED. PUMP OR VACUUM SPILLTO CLEAN CONTAINERS FOR RECOVERY. ABSORB RESIDUE. TRANSFER CONTAMINATED ABSORBENTS, SOIL AND OTHER MATERIALS TO CONTAINERS FOR DISPOSAL. Neutralizing Agent:NONE PROVIDED BY MFR.

- Handling and Storage Precautions: EMPTY CONTAINERS OF THIS MATERIAL MAY BE HAZARDOU
- S, RETAINING RESIDUES (VAPOR, LIQUID, AND/OR SOLID). ALL PRECAUTIONS GIVEN IN DATA SHEET MUST BE OBSERVED. ALL 5-GAL PAILS AND LARGER METAL CONTAINERS, INCLUDING TANK CARS AND TANK TRUCKS, SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.
- Other Precautions: SUDDEN RELEASE OF HOT ORGANIC VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMP. AND PRESS., OR SUDDEN INGRESS OF AIR INTO VACUUM EQUIPMENT, MAY RESULT IN AUTOIGNITION. USE OF THIS PRO DUCT
- IN ELEVATED TEMP. PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPER ATING CONDITIONS.

Respiratory Protection: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMI T OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIF

IED CONDITIONS. ENGINEERING

CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE. Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERALAND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:WEAR RESISTANT GLOVES TO PREVENT REPEATED OR PROLONGED SKIN CONTACT.

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment:WEAR IMERVIOUS CLOTHING AND BOOTS TO PREVENT REPEATED OR PROLONGED SKIN CONTACT.

Work Hygienic Practices:NONE PROVIDED BY MFR. Supple

mental Safety and Health NONE PROVIDED BY MFR.

HCC:F2 Boiling Pt:=82.2C, 180.F B.P. Text:@ 760MMHG Melt/Freeze Pt:=-88.7C, -128.F Decomp Temp:Decomp Text:C/CE. PLEASE FILL OUT THI Vapor Pres:20.8 MMHG @ 68F Vapor Density:2.07(AIR=1 Volatile Org Content %:100 Spec Gravity:.789 @ 60F(6.58 LBS/GAL pH:NO DATA Viscosity:2.4 CPS Evaporation Rate & amp; Reference: 7.70 (ETHYL ETHER) Solubility in Water:100% Appearance and Odor:TRANSPA RENT LIQUID, CLEAR COLOR, SLIGHT ETHANOL/ ACETONE-LIKE ODOR Percent Volatiles by Volume:100 Corrosion Rate:NONE PROVIDED BY MFR

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH: ACETALDEHYDE, ACIDS, CHLORINE, ETHYLENE OXIDE, ISOCYANATES, STRONG OXIDIZING AGENTS. DO NOT USE ALUMINUM EQUIPMENT ABOVE 120F.

Stability Condition to Avoid:DO NOT USE WITH ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120F.

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rdous Decomposition Products:MAY FORM: CARBON DIOXIDE AND CARBON MONOXIDE.

Conditions to Avoid Polymerization: PRODUCT WILL NOT UNDERGO HAZARDOUS POLYMERIZATION.

Toxicological Information:EXPOSURE GUIDELINES: ISOPROPANOL (57-63-0): OSHA VPEL 400.000 PPM - TWA; OSHA VPEL 500.00 PPM - STEL; ACGIH TLV 400.000 PPM - TWA; ACGIH TLV 500.000 PPM - STEL.

Ecological:NO DATA.

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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
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Transport Information:DOT OMFORMATION - 49 CFR 172.101: ISOPROPANOL, CLASS 3, UN 1219, PKG I I. CONTAINER/MODE: 55 GAL DRUM/ TRUCK PACKAGE. RQ (REPORTABLE QUANTITY - 49 CFR 172.101: NOT APPLICABLE.
===== Regulatory Information ====================================
<ul> <li>SARA Title III Information:SARA 302 COMPONENTS - 40 CFR 355 APPENDIX A: NONE. SECTION 311/312 HAZARD CLASS - 40 CFR 370-Z: IMMEDIATE; DELAYED; FIRE. SARA 313 COMPONENTS - 40 CFR 372.65: NONE</li> <li>Federal Regulatory Information:TSCA (TOXIC SUBSTANCES CONTROL ACT) STATUS: TSCA (UNITED STATES) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED. CERCLA RQ - 40 CFR 302.4(A): NONE LISTED.</li> <li>State Regulatory Information:CALIFORNIA PROPO SITION 65: NONE. NEW</li> </ul>
JERSEY RTK LABEL INFORMATION: ISOPROPYL ALCOHOL, 67-63-0. PENNSYLVANIA RTK LABEL INFORMATION: 2-PROPANOL, 67-63-0.
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