

ALON USA LP -- JP-5 -- 9130-00-273-2379

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

Product ID:JP-5
MSDS Date:01/02/2001
FSC:9130
NIIN:00-273-2379
Status Code:A
MSDS Number: CLCYG
=== Responsible Party ===
Company Name:ALON USA LP
Box:1311
City:BIG SPRING
State:TX
ZIP:79721
Country:US
Info Phone Num:915-263-9331
Emergency Phone Num:(800)424-9300
Resp. Party Other MSDS Num.:P35
Preparer's Name:DON RILEY
Che
mtrec Ind/Phone:(800)424-9300
CAGE:UO450
=== Contractor Identification ===
Company Name:ALON USA LP
Box:1311
City:BIG SPRING
State:TX
ZIP:79721
Country:US
Phone:915-263-9331
CAGE:UO450

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

Ingred Name:JP-5
CAS:64742-81-0
RTECS #:OA5510000
= Wt:100.
Other REC Limits:100 MG/M3, NIOSH
ACGIH TLV:100 MG/M3 TWA

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

Routes of Entry: Inhalation:UNKNOWN Skin:YES Ingestio

n:YES

Health Hazards Acute and Chronic:EYES-HAZARDOUS IN CASE OF EYE CONTACT. SKIN-HAZARDOUS IN CASE OF SKIN CONTACT IRRITANT). SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING OR, OCCASIONALLY BLISTERING. INHALATION-HAZAR DOUS IN CASE OF INHALATION. DIZZINESS, HEADACHES, & INCOORDINATION. INGESTION-VERY HAZARDOUS IN CASE OF INGESTION. THROAT/STOMACH SENSITIZATION, HEADACHE, DIARRHEA, NAUSEA, & DROWSINESS. THE GREATEST HAZARD OF INGESTION IS ACCIDENTA

L PULMONARY ASPIRATION, WHICH CAN CAUSE POTENTIALLY FATA CHEMICAL PNEUMONITIS AND NONCARDIOGENIC PULMONARY EDEMA.

Explanation of Carcinogenicity:CARCINOGENIC EFFECTS: NOT AVAILABLE. MUTAGENIC EFFECTS: NOT AVAILABLE. TERATOGENIC EFFECTS: NOT AVAILABLE.

Effects of Overexposure:SKIN: DERMATITIS. POTENTIAL CHRONIC HEALTH EFFECTS: SIGNS AND SYMPTOMS OF CHRONIC EXPOSURE ARE SMILIAR TO THOSE OF ACUTE EXPOSURE. CHRONIC EXPOSURE MAY CAUSE HEADACHES, NEURALGIA, MEMORY LOSS, DECREAS ED BLOOD COUNTS, RESPIRATORY IMPAIRMENT, AND POLYNEURITIS.

Medical Cond Aggravated by Exposure:SKIN DISORDERS AND RESPIRATORY (ASTHMA-LIKE) DISORDERS.

===== First Aid Measures =====

First Aid:EYE-CHECK FOR & REMOVE CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. COLD WATER MAY BE USED. DO NOT USE AND EYE OINTMENT. SEEK MEDICAL ATTENTION. SKIN: IF THE CHEMICAL GETS ONTO THE CLOTH ED PORTION OF THE BODY, REMOVE THE CONTAMINATED CLOTHES AS QUICKLY AS POSIBLE. WASH CONTAMINATED SKIN WITH SOAP AND WATER. INHALATION: ALLOW THE VICTIM TO REST IN A WELL-VENTILATED AREA. SEEK IMMEDIATE MEDICAL ATTENTION. "SEE SUPPLEMENTAL DATA".

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

Flash Point Method:CC

Flash Point:>60.C, 140.F

Autoignition Temp:~210.C, 410.F

Lower Limits:0.7

Upper Limits:5

Extinguishing Media:USE DRY CHEMICALS, CO2, ALCOHOL FOA

M, HALON, OR
WATER SPRAY.

Fire Fighting Procedures:FLAMMABLE IN PRESENCE OF OPEN FLAMES AND SPARKS, OF HEAT. WEAR MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS OR EQUIVALENT AND FULL PROTECTIVE GEAR (BUNKER GEAR).

Unusual Fire/Explosion Hazard:RISK OF EXPLOSION OF THE PRODUCT IN PRESENCE OF STATIC DISCHARGE: EXPECTED. MAY FOR EXPLOSIVE MIXTURES WITH AIR. CONTAINER MAY EXPLODE IN FIRE. FLASHBACK ALONG VAPOR TRAIL MAY OCCUR. MAY EXPLODE IF IG NITED IN AN ENCLOSED A REA.

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

Spill Release Procedures:SMALL SPILL: ABSORB WITH AN INERT MATERIAL AND PUT THE SPILLED MATERIAL IN AN APPROPRIATE WASTE DISPOSAL. LARGE SPILL: COMBUSTIBLE MATERIAL. KEEP AWAY FROM HEAT, KEEP AWAY FROM SOURCES OF IGNITION. ST OP LEAK IF WITHOUT RISK. WARN PERSONNEL TO STAY AWAY. CONTAIN MATERIAL WITH EARTH DIKES IF NECESSARY.

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

Handling an

d Storage Precautions:KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES IF IGNITION. GROUND ALL EQUIPMENT CONTAINING MATERIAL. DO NOT BREATHE GAS, FUMES, VAPOR OR SPRAY. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRA TORY EQUIPMENT. "SEE OTHER PRECAUTIONS."

Other Precautions:IF YOU FEEL UNWELL, SEEK MEDICAL ATTENTION AND SHOW THE LABEL WHEN POSSIBLE. AVOID CONTACT WITH SKIN AND EYES. KEEP AWAY FROM INCOMPATIBLES SUCH AS OXIDIZING AGENTS. STORAGE: KEEP CONTAINER TIGHTLY CL OSED IN A COOL, WELL-VENTILATED PLACE. KEEP AWAY FROM SOURCES OF IGNITION. KEEP AWAY FROM INCOMPATIB LES AS OXIDIZERS.

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

Respiratory Protection:BE SURE TO USE A MSHA/NIOSH APPROVED RESPIRATOR OR EQUIVALENT AT HIGH CONCENTRATIONS.

Ventilation:PROVIDE EXHAUST VENTILATION OR OTHER ENINEERING CONTROLS TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR RESPECTIVE THRESHOLD LIMIT VALUE.

Protective

Gloves:CHEMICAL RESISTANT.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:ENSURE THAT EYEWASH STATIONS AND SAFETY SHOWERS ARE PROXIMAL TO THE WORK-STATION LOCATION. FLAME RETARDANT CLOTHING COVERING THE ENTIRE BODY.

Supplemental Safety and Health

FIRST AID: INGESTION: DO NOT INDUCE VOMITING, EXAMINE THE LIPS AND MOUTH TO ASCERTAIN WHETHER THE TISSUES ARE DAMAGED, A POSSIBLE INDICATION THAT THE TOXIC MATERIAL WAS INGESTED; THE ABSENCE OF SUCH SIGNS, HOWEVER, IF NOT CONCLUSIVE. SEE OTHER INFORMATION.

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

HCC:F4

Boiling Pt:>166.C, 330.8F

B.P. Text:166-300C

Melt/Freeze Pt:=-45.6C, -49.9F

Vapor Density:5.4

Volatile Org Content %:100

Spec Gravity:0.81-0.82

Evaporation Rate & Reference:2000

MG/KG [RABBIT]. CHRONIC EFFECTS ON HUMANS: THE SUBSTANCE IS TOXIC TO THE NERVOUS SYSTEM, UPPER RESPIRATORY TRACT, SKIN, EYES. OTHER TOXIC EFFECTS ON HUMANS: VERY HAZARDOUS IN CASE OF INGESTION.

HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT), OF INHALATION.

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

Ecological:ECOTOXICITY: COMPONENTS MAY SIGNIFICANTLY BICONCENTRATE IN FISH & AQUATIC ORGANISMS & STRONGLY ABSORB TO SEDIMENT & SUSPEND ORGANIC MATTER. BIODEGRADABLE/OECD: BIODEGRADES IN SOIL & WATER UNDER ANAEROBIC CONDITIONS. MAY UNDERGO OXIDATION IN THE ATMOSPHERE BY GAS-PHASE REACTION WITH PHOTOCHEMICALLY PRODUCED

HYDROXYL RADICALS. MOBILITY: RAPIDLY VOLATILIZED FROM MOIST & DRY SOIL. THIS MAY BE ATTENUATED BY THE STRONG ADSORPTION OF KEROSENE. THE HALF-LIFE FOR VOLATILIZATION FROM A MODEL RIVER IS 3-6 HRS & A MODEL LAKE IS >130 DAYS.

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

Waste Disposal Methods:RECOVER FREE LIQUID. TRANSFER LIQUIDS TO SLOP TANK OR CPI SEPARATOR, AND SOLID WASTE TO THE SURFACE IMPOUNDMENT.

===== MSDS Transport Inf

ormation =====

Transport Information:DOT CLASSIFICATION: DOT CLASS 3: COMBUSTIBLE LIQUID WITH A FLASH POINT GREATER THAN 37.8C(100F). DOT PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. UN NUMBER: UN1223. PACKING GROUP: NOT AVAILABLE. USC G PROPR SHIPPING NAME: KEROSENE. MARINE POLLUTANT: NOT AVAILABLE. HAZARDOUS SUBSTANCES REPORTABLE QUANTITY: NOT AVAILABLE. TDG CLASSIFICATION: TDG CLASS 3: FLAMMABLE LIQUID. ADR/RID CLASSIFICATION: A DR CLASS 3: FLAMMABLE LIQUID A. IMO/IMDG CLASSIFICATION: IMDG CLASS 3.3.: FLAMMABLE LIQUID (HIGH FLASH POINT). ICAO/IATA CLASSIFICATION: IATA CLASS 3: FLAMMABLE LQIUID.

=====
===== Regulatory Information =====

SARA Title III Information:SARA 313 TOXIC CHEMICAL NOTIFICATION & RELEASE REPORTING: NO PRODUCTS WERE FOUND.

Federal Regulatory Information:HCS CLASSIFICATION: HCS CLASS: COMBUSTIBLE LIQUID HAVING A FLASH POINT BETWEEN 37.8C(100F) AND 93.3C(200F). TSCA INVENTOR

Y: KEROSENE. CLEAN WATER ACT (CWA) 302: NO PRODUCTS WERE FOUND. CLEAN WATER AC T (CWA) 311: NO PRODUCTS WERE FOUND. CLEAN AIR ACT (CAA) 112 ACCIDENTAL RELEASE PREVENTION: NO PRODUCTS WERE FOUND. CLEAN AIR ACT (CAA) 112 REGULATED FLAMMABLE SUBSTANCES: NO PRODUCTS WERE FOUND. CLEA N AIR ACT (CAA) 112 REGULATED TOXIC SUBSTANCES: NO PRODUCTS WERE FOUND.

State Regulatory Information:RHODE ISLAND RTK HAZARDOUS SUBSTANCES KEROSENE. PENNSYLVANIA RTK: KEROSENE. FLORIDA: KEROSENE.

MASSACHUSETTES: KEROSENE. CALIFORNIA PROPOSITION 65: THIS PORODUCT CONTAINS THE FOLLOWING INGREDIENTS FOR WHICH THE STATE OF CALIFORNIA HAS FOUND TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM, WHICH WOULD REQUIRE A WARNING UNDER THE STATUE5/19/2001 NO PRODUCTS WERE FOUND.

=====
===== Other Information =====

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.