

AGE REFINING -- JP-8 -- 9130-01-031-5816

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

Product ID:JP-8
MSDS Date:04/02/1996
FSC:9130
NIIN:01-031-5816
MSDS Number: CFSYG
=== Responsible Party ===
Company Name:AGE REFINING
Address:7811 S PRESA
City:SAN ANTONIO
State:TX
ZIP:78223
Country:US
Info Phone Num:210-532-5300
Emergency Phone Num:800-424-9300(CHEMTREC)
CAGE:MO635

=== Contractor Identification ===

Compa
ny Name:AGE REFINING
Address:7811 S PRESA
Box:City:SAN ANTONIO
State:TX
ZIP:78223
Country:US
Phone:210-532-5300
CAGE:MO635
Company Name:AGE REFINING AND MARKETING
Address:7811 S PRESA
Box:City:SAN ANTONIO
State:TX
ZIP:78223-3531
Country:US
Phone:512-532-5300
CAGE:0T116

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

Ingred Name:PETROLEUM HYDROCARBONS (MIXTURE)
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:BENZENE, TRIMETHYL- (MIXED ISOMERS); (TRIMETHYL BENZENE)
CONTAINING

ING #3
CAS:25551-13-7
RTECS #:DC3220000
OSHA PEL:25 PPM
ACGIH TLV:25 PPM

Ingred Name:BENZENE, 1,2,4-TRIMETHYL-; (1,2,4-TRIMETHYLBENZENE)
CAS:95-63-6
RTECS #:DC3325000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:SUPP DATA: IRRITATES MUC MEMBS OF THROAT, ESOPHAGUS &
STOMACH. MAY CAUSE VOMIT. IF ABSORBED, CNS DEPRESS MAY OCCUR.
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC: NOTES TO PHYS: GASTRIC LAVAGE ONLY IF LRG
QTY HAS BEEN INGESTED. ASPIR INTO LUNGS MAY RSLT IN (ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6: CHEM PNEUM. IRREGULAR HEART BEAT MAY OCCUR; USE OF
ADRENALIN IS NOT ADVISED. TREAT SYMPTOMATICALLY.
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: PRODS & CONTAMD MATLS ACCORD TO ALL APPLIC LOC,
ST, & FED REGS. WATER SPILL: KEEP SPILLS & CLEANING (ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8: RUNOFF OUT OF MUNICIPAL SEWERS & OPEN WATERWAYS.
CONTAIN W/DIKES & COLLECT MATL. STORE IN CHEM WASTE (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9: CNTNRS FOR DISP. ADVISE AUTHOR
ITIES IF PROD HAS
ENTERED OR MAY ENTER SEWERS, WATERCOURSE/EXTENSIVE LAND AREAS.
RTECS #:9999999ZZ

Ingred Name:OTHER PREC: PRODS. ECOLOGICAL INFO:KEROSENE & SIMILAR
HYDROCARBS ARE CONSIDERED DANGEROUS TO AQUATIC LIFE IN HIGH CONCS.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Haz

ards Acute and Chronic:DANGER! FLAMM LIQ. INHAL MAY CAUSE NARCOTIC EFTS LEADING TO RESP ARREST. SEV IRRIT TO EYES. SKIN IRRIT ON PRLNGD CONT. INGEST MAY RSLT IN VOMIT & CNS DEPRESS. INHAL: MAY CAUSE NARCOTIC EFTS INCL DIZZI NESS, HDCH, INCOORD, ANESTHESIA, COMA, IRREGULAR HEART RATE, & RESP ARREST. ACTS AS CNS DEPRESSANT. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: OXYGEN DEPRIVATION IS POSS WHEN WORKING IN CONFINED ARE

A. EYE: SEV BURNING SENSATION W/TEMP IRRIT & SWELLING OF LIDS. 470 PPM FOR 15 MINS LEADS TO IRRIT. SKIN: IRRIT TO SKIN. DEFATTING MAY OCCUR W/CONTINUE/PRLNGD CONT. IRRIT & BURNING SENSATION AFTER EXPOS TO LIQ. DRYING, CHAPPING & PHOTOSENSITIVITY (SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG, APPLY ARTF RESP. SEEK MED ADVICE.

EYE: FLUSH W/LRG AMTS OF RUNNING WATER FOR AT LST 15 MINS. HOLD LIDS APART TO ENSURE FLUSHING OF ENTIRE EYE. SEEK MED ATTN. SKIN: WASH EXPOS AREA W/SOAP & WATER. REMOVE CONTAMD CLOTHES & FOOTWEAR. SEEK MED ADVICE, IF SYMPS DEVELOP. INGEST: DO NOT INDUCE VOMIT. GET MED ATTN. IF SPONT VOMIT OCCURS, KEEP HEAD BELOW (ING 6)

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

Flash Point Method:CC

Flash Point:100F,38C

Lower Limits:0.9%

Upper Limits:56%

Extingu

ishing Media:USE EXTING MEDIA SUCH AS FOAM, DRY CHEM, & CARBON DIOXIDE APPROP FOR SURROUNDING CNDTNS. WATER MAY BE INEFT (SUPDAT)

Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . APPROACH FIRE FROM UPWIND SIDE. AVOID BREATHING SMOKE, FUMES, MIST, OR VAPORS.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:LAND SPILL: ABSORB &/OR CONFINE LIQ W/INE

RT,
NON-COMBUST MATL. KEEP SPILLS OUT OF MUNICIPAL SEWERS & OPEN WATERWAYS. PLACE WASTE IN CHEM WASTE CNTNR FOR DISP. CONTINUE TO OBSERVE PRECS FOR VOLATILE, C OMBUST VAPS FROM ABSORB MATL. DISP WASTE (ING 8)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE WITH ADEQUATE VENTILATION. USE SPARK-PROOF TOOLS. AVOID BREATHING VAPORS AND SKIN/EYE CONTACT. PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE.

Other Precautions:OUTSIDE/DETACHED STORAGE IS PREFERRED. STORE IN COOL, WELL-VENT AREA AWAY FROM IGNIT SOURCES & OXIDIZING AGENTS. TO PREVENT FIRE/EXPLO RISK FROM STATIC ACCUMULATION & DISCHARGE, GROUND PRODUCT TRANSFER SYSTEMS I/A W/ NFPA GUIDELINES FOR PETROLEUM(ING 11)

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

Respiratory Protection:IF TLV EXCEEDED, NIOSH APPROVED ORGANIC VAPOR MASK REQUIRED.

Ventilation:LOCAL VENTILATION TO CONTROL VAPOR ACCUMULATION.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGLES .

Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER .

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXTING MEDIA: UNLESS USED UNDER FAVORABLE CONDITIONS BY TRAINED FIRE FIGHTERS. WATER CAN BE USED TO COOL & PROTECT MATERIALS & MEN, DISPERSE VAPORS, & FLUSH SPILLS AWAY FROM EXPOSURES. MATERIALS TO AVOID: CAUSE FIRES & EXPLOSIONS. EFFECTS OF O

VEREEXP: MAY DEVELOP AFTER REPORTED CONTACT.

SKIN ABSORPTION IS NOT SIGNIFICANT. INGESTION: HARMFUL. (ING 5)

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

Boiling Pt:B.P. Text:>285F,>141C

Vapor Pressure:5 @ 20C

Vapor Density:4-5

Volatile Organic Content %:100

Specific Gravity:0.79

Solubility in Water:NEGLIGIBLE,