

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 ===

Compan  
y 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 I

NG #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 AUTHORI  
TIES 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 Haza

Effects Acute and Chronic:DANGER! FLAMM LIQ. INHAL MAY CAUSE NARCOTIC EFFECTS LEADING TO RESP ARREST. SEV IRRIT TO EYES. SKIN IRRIT ON Prolonged Cont. Ingest may result in vomit & CNS depress. Inhal: may cause narcotic effects incl dizziness, headache, incoordination, anesthesia, coma, irregular heart rate, & resp arrest. Acts as CNS depressant. (Effects of overexposure)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:Health Hazard: OXYGEN DEPRIVATION IS POSSIBLE WHEN WORKING IN CONFINED AREA

EYE: SEVERE BURNING SENSATION WITH TEMPORARY IRRITATION & SWELLING OF EYELIDS. 470 PPM FOR 15 MINS LEADS TO IRRITATION. SKIN: IRRITATION TO SKIN. DEFATTING MAY OCCUR WITH CONTINUED/Prolonged Cont. IRRITATION & BURNING SENSATION AFTER EXPOSURE TO LIQUID. DRYING, CHAPPING & PHOTOSENSITIVITY (Supplemental Data)

Medical Conditions Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, APPLY ARTIFICIAL RESPIRATION. SEEK MEDICAL ADVICE.

EYE: FLUSH WITH LARGE AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINS. HOLD EYELIDS APART TO ENSURE FLUSHING OF ENTIRE EYE. SEEK MEDICAL ATTENTION. SKIN: WASH EXPOSED AREA WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHES & FOOTWEAR. SEEK MEDICAL ADVICE, IF SYMPTOMS DEVELOP. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. IF SPONTANEOUS VOMITING OCCURS, KEEP HEAD BELOW (INGESTION 6)

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Fire Fighting Measures  
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Flash Point Method:Closed Cup

Flash Point:100F,38C

Lower Limits:0.9%

Upper Limits:56%

Extinguishing

Media:USE EXTINGUISHING MEDIA SUCH AS FOAM, DRY CHEMICAL, & CARBON DIOXIDE APPROPRIATE FOR SURROUNDING CONDITIONS. WATER MAY BE INEFFECTIVE (Supplemental Data)

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.

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Accidental Release Measures  
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Spill Release Procedures:LAND SPILL: ABSORB &/OR CONFINE LIQUID WITH INERT

T,  
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 STOR IS PREFERRED. STORE IN COOL, WELL-VENT AREA AWAY FROM IGNIT SOURCES & OXIDIZING AGENTS. TO PVNT FIRE/EXPLO RISK FROM STATIC ACCUMULATION & DISCHARGE, GROUND PROD TRANSFER SYS 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 APPRVD 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 CNDTNS BY TRAINED FIRE FIGHTERS. WATER CAN BE USED TO COOL & PROT MATLS & MEN, DISPERSE VAPS, & FLUSH SPILLS AWAY FROM EXPOSURES. MATLS TO AVOID: CAUSE FIRES & EXPLOSIONS. EFTS OF OV

EREXP: MAY DEVELOP AFTER RPTD CONT.

SKIN ABSORP IS NOT SIGNIFICANT. INGEST: HARMFUL. (ING 5)

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

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

Vapor Pres:5 @ 20C

Vapor Density:4-5

Volatile Org Content %:100

Spec Gravity:0.79

Solubility in Water:NEGLIGIBLE,