

KERN OIL AND REFINING CO -- UNLEADED GASOLINE -- 9130-00-148-7104

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

Product ID:UNLEADED GASOLINE

MSDS Date:01/02/1992

FSC:9130

NIIN:00-148-7104

MSDS Number: BPMBP

=== Responsible Party ===

Company Name:KERN OIL AND REFINING CO

Address:RT 6, 7724 EAST PANAMA LANE

Box:336

City:BAKERSFIELD

State:CA

ZIP:93307

Country:US

Info Phone Num:805-845-0761/800-346-5922POISON CT

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Emergency Phone Num:805-845-0761/800-424-9300(CHEMTREC)

CAGE:1JX71

=== Contractor Identification ===

Company Name:KERN OIL AND REFINING CO

Address:RT 6, 7724 EAST PANAMA LANE

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CAGE:1JX71

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

Ingred Name:GASOLINE (INCLUDING INGREDIENTS 2, 3, 4 AND 5)

CAS:8006-61-9

RTECS #:LX3300000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDE

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OSHA PEL:300 PPM/500 STEL
ACGIH TLV:300 PPM/500STEL;9293

Ingred Name:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: 3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1PPM/5STEL;1910.1028
ACGIH TLV:10 PPM; A2; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES
(O-,M-,P- ISOMERS) (SARA III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA III)
CAS:100-41-4
RTECS #:DA0700000
Fraction by Wt: 2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM/125 STEL
ACGIH TLV:100 PPM/125STEL 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE-HIGH VAPOR CONCENTRATIONS MAY CAUSE CNS DEPRESSION;I.E.HEADACHE,NAUSEA,DROWSINESS,DIZZINESS.ACCIDENTAL INGESTION MAY CAUSE SIMILAR SYMPTOMS.IT IS AN ASPIRATION HAZARD.MAY CAUSE EYE IRRITATION,RE DNESS,TEARING & BURNING.PROLONGED/REPEATED SKIN CONTACT CAN CAUSE IRRITATION,DEFATTING & DERMATITIS.CHRONIC-DERMATITIS.

Explanation of Carcinogenicity:CONTAINS BENZENE.MAY CAUSE BLOOD DISEASES INCLUDING LEUKEMIA.VAPORS MAY CAUSE KIDNEY CANCER IN MALE RATS.

Effects of Overexposure:HIGH VAPOR CONCENTRATIONS MAY CAUSE CNS DEPRESSION; I.E. HEADACHE, NAUSEA, DROWSINESS, DIZZINESS. ACCIDENTAL INGESTION MAY CAUSE SIMILAR SYMPTOMS. IT IS AN ASPIRATION HAZARD. MAY CAUSE EYE IRRITATION, REDNESS, TEARING & BURNING. PROLONGED/REPEATED SKIN CONTACT CAN CAUSE IRRITATION, DEFATTING & DERMATITIS.

Medical Conditions Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:CALL A PHYSICIAN IN ALL CASES.EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP & WATER.INHALED:REMOVE TO FRESH AIR & PROVIDE CPR/OXYGEN IF NECESSARY.ORAL:DO NOT INDUCE VOMITING.CALL A PHYSICIAN IMMEDIATELY.IF CONSCIOUS,DRINK MILK OR WATER.

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

Flash Point Method:PMCC
Flash Point:=-42.8C, -45.F
Autoignition Temp:=280.C, 536.F
Lower Limits:1.2%
Upper Limits:7.6%
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL OR HALON. WATER MAY BE INEFFECTIVE.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT & A FULL FACED SELF CONTAINED BREATHING APPARATUS/SUPPLIED-AIR RESPIRATOR.CO

OL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:SEVERE FIRE & EXPLOSION HAZARD INDOORS,
OUTDOORS OR SEWERS. VAPORS MAY TRAVEL TO IGNITION SOURCE & FLASH
BACK. CONTAINERS MAY EXPLODE IN FIRE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS.ELIMINATE ALL
SOURCES OF IGNITION.USE EXPLOSION-PROOF TOOLS.SHUT OFF FUEL
SOURCE.DIKE SPILL.PREVENT LIQUID FROM ENTERING
SEWERS/WATERWAYS.RE
COVER FREE LIQUID.ADD SAND,EARTH OR OTHER
ABSORBENT MATERIAL.TRANSFER TOCONTAINER.

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

Handling and Storage Precautions:STORAGE-STORE IN ACCORDANCE WITH
NATIONAL FIRE PROTECTION ASSOCIATION REGULATIONS.KEEP CONTAINERS
CLOSED.HANDLE IN WELL-VENTILATED AREA.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE
DANGEROUS.DO NOT PRESSURIZE,CUT,WELD,BRAZE,SOLDER,DRILL,GRIND OR
EXPOSE SUCH CONTAINERS TO HE
AT,FLAME,SPARKS.THEY MAY EXPLODE AND
CAUSE INJURY/DEATH.AVOID REPEATED OR PROLONGED CONTACT WITH SKIN.

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

Respiratory Protection:NIOSH-APPROVED SELF-CONTAINED BREATHING
APPARATUS OR ORGANIC VAPOR RESPIRATOR OR SUPPLIED-AIR RESPIRATOR,
IF NEEDED.

Ventilation:LOCAL/MECHANICAL (GENERAL) VENTILATION - EXPLOSION PROOF,
WELL GROUNDED EQUIPMENTS

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES & FACE SHIE
LD

Other Protective Equipment:IMPERVIOUS CLOTHING TO AVOID SKIN AND EYE
CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH
HANDS AFTER USING PRODUCT. AVOID BREATHING VAPORS OR MISTS.

Supplemental Safety and Health

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

HCC:F1

Boiling Pt:=23.9C, 75.F

Vapor Pres:414 - 724

Vapor Density:>1

Spec Gravity:0.74 - 0.79

Viscosity: