

KOCH REFINING CO. -- GASOLINE,UNLEADED PREMIUM -- 9130-00-148-7104

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Product Identification
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Product ID:GASOLINE,UNLEADED PREMIUM

MSDS Date:03/01/1988

FSC:9130

NIIN:00-148-7104

MSDS Number: BGWTR

=== Responsible Party ===

Company Name:KOCH REFINING CO.

Address:SUNTIDE RD

Box:2608

City:CORPUS CHRISTI

State:TX

ZIP:78403

Info Phone Num:316-832-6672

Emergency Phone Num:316-832-6672

Preparer'

s Name:DALE F. JANES

CAGE:3V260

=== Contractor Identification ===

Company Name:KOCH REFINING CO INC

Address:SUNTIDE RD

Box:2608

City:CORPUS CHRISTI

State:TX

ZIP:78403

Country:US

Phone:512-241-4811

CAGE:3V260

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Composition/Information on Ingredients
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Ingred Name:GASOLINE

CAS:8006-61-9

RTECS #:LX3300000

Fraction by Wt: 100%

Other REC Limits:100 PPM

OSHA PEL:300 PPM/500 STEL

ACGIH TLV:300 PPM/500STEL;9192

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fr

action by Wt: 1%
OSHA PEL:1PPM/5STEL;1910.1028
ACGIH TLV:10 PPM; A2; 9192
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:PARAFFINS
Fraction by Wt: 70%
Other REC Limits:100 PPM

Ingred Name:OLEFINS
Fraction by Wt: 3%
Other REC Limits:100 PPM

Ingred Name:NAPHTHENES
Fraction by Wt: 1%
Other REC Limits:100 PPM

Ingred Name:OTHER AROMATIC HYDROCARBONS
Fraction by Wt: 20%
Other REC Limits:100 PPM

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

LD50 LC50 Mixture:ORAL RAT LD5
0 18,800 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:PRODUCT IS IRRITATING TO EYES,SKIN,
RESPIRATORY TRACT AND DEPRESSES THE CENTRAL NERVOUS SYSTEM. CHRONIC
OVER EXPOSURE MAY CAUSE LIVER,KIDNEY OR CENTRAL NERVOUS SYSTEM
DAMAGE.

Explanation of Carcinogenicity:CONTAINS BENZENE;LISTED BY ALL THREE.
ALSO, AN API STUDY FOUND LIVER CANCER IN MICE EXPOSED TO GASOLINE
VAPORS.

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Effects of Overexposure:EYE/SKIN CONTACT:TRANSITORY IRRITATION.
INHALED:RESPIRATORY IRRITATION,CENTRAL NERVOUS SYSTEM DEPRESSION
INCLUDING,
EUPHORIA,HEADACHE,DIZZINESS,DROWSINESS,FATIGUE,TREMORS,CONVULSIONS,
NAUSEA, VOMITING, DIARRHEA,LOSS OF CONSCIOUSNESS AND FINALLY DEATH.
INGESTED:G/I IRRITATION,PLUS SYMPTOMS SIMILAR TO THOSE UNDER
"INHALED"

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE,SKIN CONDITIONS OR
IMPAIRED LIVER,KIDNEY FUNCTION MAY BE AGGRAVATED BY TH

IS PRODUCT.

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

First Aid:EYE:FLUSH WITH WATER 15 MIN. SKIN:WASH WITH SOAP & WATER.
REMOVE CONTAMINATED CLOTHING,LAUNDRER BEFORE REUSE. INHALED: REMOVE
TO FRESH AIR.RESUSCITATE OR GIVE OXYGEN AS NEEDED. GET MEDICAL
CARE. INGEST ED:GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE
VOMITING. IF VOMITING OCCURS,MINIMIZE ASPIRATION HAZARD.

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

Flash Point:

-40F,-40C

Lower Limits:1.3

Upper Limits:7.6

Extinguishing Media:DRY CHEMICAL,CARBON DIOXIDE,FOAM,WATER FOG. WATER
MAY BE INEFFECTIVE,AS PRODUCT WILL FLOAT AND MAY SPREAD FIRE.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS IN
ENCLOSED AREAS. WATER SPRAY MAY BE USED TO COOL FIRE EXPOSED
CONTAINERS.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR,ACCUMULATING
IN LOW AREAS,TRAVELING ALONG GROUND AND MAY FLASH BACK FROM DISTANT
IGNITION SOURCE.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. ISOLATE AREA. USE
PROTECTIVE EQUIPMENT AS NECESSARY. STOP LEAK AND CONTAIN SPILL.
DIKE AS NEEDED TO KEEP SPILL FROM DRAINS,WATER WAYS,ETC. WATER FOG
MAY BE USED TO REDUCE V APORS & PERSONAL HAZARD. REPORT SPILL PER
LAW.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL,DRY,I
SOLATED,WELL

VENTILATED AREA. KEEP IGNITION SOURCES AWAY. GROUND CONTAINERS TO
PREVENT STATIC DISCHARGE DURING TRANSFERS.

Other Precautions:FIRE AND EXPLOSION ARE THE ACUTE HAZARDS OF THIS
PRODUCT. TAKE EXTRAORDINARY STEPS TO PREVENT THEM.

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

Respiratory Protection:IF NEEDED,USE NIOSH/MSHA RESPIRATOR WITH ORGANIC
VAPOR CARTRIDGE OR PREFERRABLY,A POSITIVE PRESSURE AIR SUPPLIED
RESPIRATOR OR SELF CONTAINED BREAT

HING APPARATUS.

Ventilation:USE EXPLOSION PROOF VENTILATION EQUIPMENT TO MAINTAIN EXPOSURE BELOW PEL/TLV.

Protective Gloves:IMPERVIOUS RUBBER OR POLYMER.

Eye Protection:SAFETY GLASSES OR SPLASH GOGGLES.

Other Protective Equipment:SAFETY SHOWER/EYE WASH. WORK CLOTHING AS NEEDED TO PROTECT FROM PROLONGED/REPEATED CONTACT.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. MINIMIZE ALL CONTACT.

Supplemental Safety and Health

===== Physi
cal/Chemical Properties =====

HCC:F1

Boiling Pt:=28.9C, 84.F

Melt/Freeze Pt:=54.4C, 130.F

Vapor Density:3.5 (AIR)

Spec Gravity:0.72-0.76

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR,COLORLESS TO STRAW YELLOW LIQUID;GASOLINE ODOR.

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS.

Stability Condition to Avoid:HEAT,SPARKS AND OTHER IGNITION SOURCES,VAPO

R ACCUMULATIONS.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE.

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS. PRODUCT QUALIFYS AS IGNITABLE WASTE AND CANNOT BE LANDFILLED. IF RECOVERY OR RECYCLE ARE UNACCEPTABLE, INCINERATION MAY BE ACCEPTABLE DISPOSAL METHOD.

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