

KOCH REFINING CO. -- GASOLINE,UNLEADED -- 9130-00-148-7103

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Product Identification
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Product ID:GASOLINE,UNLEADED

MSDS Date:03/01/1988

FSC:9130

NIIN:00-148-7103

MSDS Number: BGWPG

=== Responsible Party ===

Company Name:KOCH REFINING CO.

Address:SUNTIDE RD

Box:2608

City:CORPUS CHRISTI

State:TX

ZIP:78403

Country:US

Emergency Phone Num:NONE

Preparer's Name:DALE F. JANES

CAGE:3V260

=== Contr

actor 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%

OSHA PEL:300 PPM/500 STEL

ACGIH TLV:300 PPM/500STEL;9192

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 1.5%

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: 46%
Other REC Limits:100 PPM

Ingred Name:OLEFINS
Fraction by Wt: 17%
Other REC Limits:100 PPM

Ingred Name:NAPHTHENES
Fraction by Wt: 8%
Other REC Limits:100 PPM

Ingred Name:OTHER AEROMATIC HYDROCARBONS
Fraction by Wt: 27%
Other REC Limits:100 PPM

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

LD50 LC50 Mixture:ORAL RAT LD50 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.

Effects of Overexposure:EYE/SKIN CONTACT:TRANSITORY IRRITATION. INHALED:RESPIRATORY IRRITATION,CENTRAL NERVOUS SYSTEM DEPRESSION INCLUDING,EUPHORIA,HEADACHE,DIZZINESS,DROWINESS,FATIGUE,TREMORS,CONVULSION,NAUSEA,VOMITING,DIARRHEA,LOSS OF CONSCIOUSNESS. AND FINALLYDEATH. 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 THIS PRODUCT.

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

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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
ATTENTION. DO NOT INDUCE VOMITING. IF VOMITING OCCURS,MINIMIZE
ASPIRATION HAZARD.

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

Flash Point:-40F

Autoignition Temp:Autoignition Temp Text:>536F

Lower Limits:1.3

Upper Limits:7.6

Extinguishing Media:DR

Y 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
CLOSED 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.

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

Spil

I 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, WATERS ETC. WATER FOG MAY
BE USED TO REDUCE VAPO RS & PERSONAL HAZARD. REPORT SPILL PER LAW.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL,DRY,ISOLATE,WELL
VENTILATED AREA. KEEP IGNITION SOURCES AWAY. GROUND CONTAI
NERS TO

PREVENT STATIC DISCHARGE DURING TRANSFERS.

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

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

Respiratory Protection:IF NEEDED,USE NIOSH/MSHA RESPIRATOR WITH ORGANIC
VAPOR CARTRIDGE OR PREFERRABLY,APOSITIVE PRESSURE AIR SUPPLIED
RESPIRATOR OR SELF CONTAINED BREATHING APPARATUS.

Ventilation:USE EXPLOSION PROOF VENTILATION EQUIPMENT TO

MAINTAIN

EXPOSURE BELOW PEL/TVL

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

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

HCC:F1

Boiling Pt:=29.4C, 85.

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,VAPOR ACCUMULATIONS.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE

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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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