

KOCK REFINING CO INC -- GASOLINE, LEADED/UNLEADED (ALL GRADES) -- 9130-01-272-0983

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

Product ID:GASOLINE, LEADED/UNLEADED (ALL GRADES)

MSDS Date:03/01/1988

FSC:9130

NIIN:01-272-0983

MSDS Number: BQNJS

=== Responsible Party ===

Company Name:KOCK REFINING CO INC

Address:SUNTIDE RD

Box:2608

City:CORPUS CHRISTI

State:TX

ZIP:78403

Country:US

Info Phone Num:512-241-4811 / FAX 512-289-8470

Emergency Phone Num:512-241-4811

Preparer's N

ame:DALE F. JANES

CAGE:KO284

=== 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

Company Name:KOCK REFINING CO INC

Address:SUNTIDE RD

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City:CORPUS CHRISTI

State:TX

ZIP:78403

Country:US

Phone:512-241-4811 / FAX 512-289-8470

CAGE:KO284

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

Ingred Name:GASOLINE - PRODUCT MIXTURE CONTAINING THE FOLLOWING

HAZARDOUS INGREDIENTS.

CAS:8006-61-9

RTECS #:LX3300000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM/500 STEL

ACGIH TLV:300 PPM/500STEL;9293

Ingred Name:PARAFFINS (MIX)

Fraction by Wt: 46%

Other REC Limits:NONE RECOMMENDED

Ingred Name:OLEFIN(S)

CAS:68425-39-8

Fraction by Wt: 17%

Other REC Limits:NONE RECOMMENDED

Ingred Name:NAPHTHENES

Fraction by Wt: 8%

Other REC Limits:100 PPM

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 1.5%

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:AROMATICS (OTHER)

Fraction by Wt: 27%

Other REC Limits:100 PPM

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >5G/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:INHALATION: MODERATE RISK OF VAPOR

INTOXICATION. MAJOR RISK IS ENCLOSED SPACES WITH POOR VENTILATION. SKIN: DEFATTING WITH DRYING AND CRACKING CAN LEAD TO DERMATITIS AND SECONDARY INFECTION. EYE: IRRITANT. INGESTION: BURNING OF MOUTH AND UPPER GI TRACT, VOMITING AND DIARRHEA. PROLONGED OR REPEATED CONTACT: DERMATITIS.

Explanation of Carcinogenicity:CONTAINS B [71-43-2] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION MAY CAUSE EUPHORIA, LUNG IRRITATION

AND EDEMA, HEADACHE, DIZZINESS, DROWSINESS, CONVULSIONS, COMA, CYANOSIS, GENERALIZED DEPRESSION. INGESTION MAY CAUSE GENERAL DEPRESSION, SEDATION, RESPIRATORY DEPRESSION, COMA.

Medical Cond Aggravated by Exposure:MAY AGGRAVATE PRE-EXISTING DERMATITIS, RESPIRATORY ILLNESS, OR OTHER CONDITIONS WHICH HAVE THE SAME SYMPTOMS OR EFFECTS AS STATED ABOVE.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING

EYELIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. FOR RESPIRATORY DISTRESS, GIVE AIR, OXYGEN, OR CPR IF NECESSARY. INGESTION: DO NOT INDUCE VOMITING. KEEP HEAD BELOW HIPS IF VOMITING OCCURS TO PREVENT ASPIRATION INTO LUNGS. GET MEDICAL ATTENTION IF REQUIRED IN ALL CASES.

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

Flash Point Method:TCC

Flash Point:-40F,-40C

Autoign

ition Temp:Autoignition Temp Text:>536F

Lower Limits:1.4

Upper Limits:7.6

Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WATER MAY BE INEFFECTIVE ON FLAMES, BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILL AWAY FROM AREAS OF IGNITION.

Unusual Fire/Explosion Hazard:HIGHLY VOLATILE MATERIAL. FLOWING GASOLINE CAN BE IGNITED BY SELF-GENERATED STATIC ELECTRICITY. VAPORS MAY TRAVEL

ALONG THE GROUND TO A REMOTE IGNITION SOURCE.

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

Spill Release Procedures:SMALL: TAKE UP WITH NON COMBUSTIBLE ABSORBENT SUCH AS FULLERS EARTH OR SAND. PLACE INTO CONTAINERS FOR LATER DISPOSAL. LARGE: CONTAIN SPILL IN EARTHEN DIKES FOR LATER RECOVERY. CONTROL IGNITION SOURCE S AROUND SPILL AREA. REPORT SPILLS AS REQUIRED.

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

Handling and Storage Precautions:AVOID STATIC IGNITION HAZARD WHEN TRANSFERRING MATERIAL. KEEP CONTAINERS CLOSED AND AWAY FROM HEAT & IGNITION SOURCES! DO NOT USE AS CLEANING AGENT.
Other Precautions:EMPTY CONTAINERS RETAIN SOME LIQUID/VAPOR RESIDUES; HAZARD PRECAUTIONS MUST BE OBSERVED WHEN HANDLING EMPTIES. KEEP OUT OF REACH OF CHILDREN! DO NOT USE ANY HYDROCARBON FUEL IN SPACES WITHOUT ADEQUATE VENTILATION. USE ONLY AS A FUEL.

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

Respiratory Protection:A NIOSH/MSHA APPROVED ORGANIC VAPOR RESPIRATOR, SUPPLIED AIR, OR SELF-CONTAINED BREATHING APPARATUS (SCBA) MUST BE USED WHEN VAPOR CONCENTRATIONS EXCEED THE OCCUPATIONAL EXPOSURE LIMITS.
Ventilation:USE ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATIONS OF THIS MATERIAL BELOW THE OCCUPATIONAL EXPOSURE LIMITS.
Protective Gloves:WEAR OIL IMPERVIOUS (EG: NITRILE) GLOVES
Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD
Other Protective Equipment:OIL IMPERVIOUS INDUSTRIAL WORK CLOTHING TO MINIMIZE SKIN CONTACT. EYE BATH AND SAFETY SHOWER RECOMMENDED.
Work Hygienic Practices:USE GOOD PERSONAL HYGIENE. USE WATERLESS HAND CLEANER TO WASH EXPOSED SKIN. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
THE VARIABLE COMPOSITION MAKES IT IMPOSSIBLE TO SET A SPECIFIC EXPOSURE LIMIT FOR ALL COMPOSITIONS OF THIS MATERIAL. SPECIFIC EXPOSURE LIMITS FOR POTENTIAL COMPONENTS SUCH AS BENZENE SHOULD BE APPLIED

BASED ON AIR MONITORING TO ASSURE EMPLOYEES ARE NOT EXPOSED TO
EXCESSIVE VAPOR LEVELS OF COMPONENTS.

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

HCC:F1

Boiling Pt:B.P. Text:>85F,>29C

Melt/Freeze Pt:M.P/F.P Text:-130F,-90C

Vapor Pres:360-720

Vapor Density:3-4

Spec Gravity:0.72-0.76

pH:7

Evaporation Rate & Reference:MODERATELY FAST

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR COLORLESS LIQUID; GASOLINE ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION

Hazardous Decomposition Products:BURNING OR EXCESSIVE HEATING MAY
PRODUCE CARBON MONOXIDE AND OTHER HARMFUL GASES/VAPORS.

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

Waste Disposal Methods:IT IS THE RESPONSIBILITY OF THE USER TO
DETERMINE IF THE MATERIAL

IS A HAZARDOUS WASTE AT THE TIME OF
DISPOSAL. CHECK BEFORE DISPOSING TO BE SURE YOU ARE IN COMPLIANCE
WITH ALL APPLICABLE LAWS AND REGULATIONS. CHEMTREC/RCRA EMER.
NO.:800-424-9346

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