

TRIANGLE REFINERIES INC -- UNLEADED GASOLINE -- 9130-00-148-7103

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

Product ID:UNLEADED GASOLINE

MSDS Date:10/18/1993

FSC:9130

NIIN:00-148-7103

MSDS Number: BRFLP

=== Responsible Party ===

Company Name:TRIANGLE REFINERIES INC

Address:2211 NORFOLK SUITE 1100

Box:3367

City:HOUSTON

State:TX

ZIP:77253

Country:US

Info Phone Num:713-638-4700

Emergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:KEITH W. BUNSELMEYER

CAGE:6G367

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Contractor Identification ===

Company Name:KERR-MCGEE REFINING CORP

Address:2211 NORFOLK SUITE 1100

Box:3367

City:HOUSTON

State:TX

ZIP:77253

Country:US

Phone:713-638-4700/800-424-9300(CHEMTREC)

CAGE:6G213

Company Name:TRIANGLE REFINERIES INC

Address:3020 KNIGHT ST SUITE 130

Box:3367

City:SHREVEPORT

State:LA

ZIP:71105

Country:US

CAGE:6G367

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

Ingred Name:GASOLINE (CAS# MIXTURE).

CAS:8006-61-9

RTECS #:LX3300000

Fraction by Wt: 85

-100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM/500STEL;9394

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III) (MTBE)
CAS:1634-04-4
RTECS #:KN5250000
Fraction by Wt: 0-15%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: 0-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1028
ACGIH TLV:10 PPM; A2; 9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 0-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9394
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: 0-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM/150STEL;9394
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: 0-2

%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM/125STEL;9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:CUMENE (SARA III)
CAS:98-82-8
RTECS #:GR8575000
Fraction by Wt: 0-1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:S, 50 PPM
ACGIH TLV:S, 50 PPM; 9394
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:CYCLOHEXANE (SARA III)
CAS:110-82-7
RTECS #:GU6300000
Fraction by Wt: 0-1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM, 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III)
CAS:95-63-6
RTECS #:DC3325000
Fraction by Wt: 0-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM; 9394

Ingred Name:NAPHTHALENE (SARA III)
CAS:91-20-3
RTECS #:QJ0525000
Fraction by Wt: 0-1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9394
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

Routes of En

try: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE:INHAL:HEAD,NASAL/RESP
IRRIT,NAU,DROW,BREATHLESSNESS,GATIGUE,CNS DEPRESS,CONVULSIONS,LOSS
OF CONSC.SKIN/EYES:IRRIT.INGEST:ASPIRATION
HAZ.HEAD,NAU,DROW,FATIGUE,PNEUITIS,PULM EDEMA,CNS DEPRESS,CONV
ULSIONS,LOSS OF CONSC.CHRONIC:CNS/KIDNEY/LIVER/BLOOD
DISORDERS,ANEMIA,LEUKEMIA,DERM,CANCER IN LAB ANIMALS.
Explanation of Carcinogenicity:CONTA
INS BENZENE & GASOLINE. PER MSDS
LISTED AS POTENTIAL CARCIN OR CARCIN BY OSHA.
Effects of Overexposure:HEADACHE, NAUSEA, DROW, BREATHLESSNESS,
FATIGUE, CNS DEPRESS, CONVULSIONS, LOSS OF CONSC. DERMITITIS.
Medical Cond Aggravated by Exposure:KIDNEY, LIVER, BLOOD DISORDERS.

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

First Aid:INHAL:MOVE TO FRESH AIR. IF BREATHING HAS STOPPED, PERFORM
ARTIFICIAL RESP. GET MED ATTN ASAP. SKIN:IMMED REMOVE CONTAMIN
CLOTH. W
ASH AREA W/SOAP & WATER. GET MED ATTN IMMEDIATE. EYES:IMMED
FLUSH W/WATER FOR 15MINS MIN LIFTING EYELIDS. GET MEDATTN IMMEDIATE.
INGEST:CALL DR IMMEDIATE. ONLY INDUCE VOMIT @ INSTRUCTION OF DR. NEVER
GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.

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

Flash Point Method:TCC
Flash Point:-45F,-43C
Autoignition Temp:Autoignition Temp Text:536F
Lower Limits:1.4
Upper Limits:7.6
Extinguishing Media:CARBON DIOXIDE, DRY CHEM, FOAM. WATER STR
EAM MAY
SPREAD FIRE, USE WATER SPRAY ONLY TO COOL CONTNRS EXPOSED TO FIRE.
Fire Fighting Procedures:USE WATER SPRAY TO DISPERSE VAP IN
SPILL. EXPLOSION HAZ IN FIRE SITUATION.
Unusual Fire/Explosion Hazard:INCOMPLETE COMBUST CAN YIELD CO & VAR
HYDROCARBONS. CAN FORM FLAMM MIXTURE W/AIR & FLASH @ RM TEMP. VAP
HEAVIER THAN AIR & CAN TRAVEL TO IGN SOURCE & FLASHBACK.

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

Spill Release Procedures:NOTIFY EMERGENCY RESPONSE PERSONS

ONNEL. EVACUATE

AREA. REMOVE IGN SOURCES. BUILD DIKE TO CONTAIN FLOW. REMOVE FREE LIQ. DO NOT FLUSH TO SEWER OR OPEN WATER. PICK UP W/INERT ABSORBENT. PLACE IN CLOSED CON TAINER FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MFG.

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

Handling and Storage Precautions:DO NOT STORE WITH STRONG OXIDIZERS.

STORE AS OSHA CLASS 1B FLAMM LIQ.

Other Precautions:NONE SPECIFIED BY MFG.

===== Exposure Controls/Pe
rsonal Protection =====

Respiratory Protection:UP TO 10PPM BENEZE OR 3000PPM GASOLINE HALF-MASK ORG VAP RESP. UP TO 50PPM BENZENE OR 15000PPM GASOLINE FULL-FACE ORG VAP RESP OR FULL-FACE SUPPLIED AIR RESP. GREATER THAN 50PPM GASOLINE,FIREFIGHTING OR UNKNOWN CONCEN SCBA W/POS PRESSURE.

Ventilation:MAINTAIN LOC/DILUTION VENTI TO KEEP AIR CONCEN