

TEXACO REFINING AND MARKETING, INC. -- 00379 TEXACO SUPER UNLEADED WITH ETHANOL --  
9130-01-090-1092

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

Product ID:00379 TEXACO SUPER UNLEADED WITH ETHANOL

MSDS Date:06/25/1992

FSC:9130

NIIN:01-090-1092

MSDS Number: BRPGG

=== Responsible Party ===

Company Name:TEXACO REFINING AND MARKETING, INC.

Box:52332

City:HOUSTON

State:TX

ZIP:77052

Country:US

Info Phone Num:914-

838-7204

Emergency Phone Num:914-831-3400

CAGE:2R503

=== Contractor Identification ===

Company Name:TEXACO REFINING AND MARKETING INC

Address:1111 RUSK ST

Box:City:HOUSTON

State:TX

ZIP:77002-3310

Country:US

Phone:713-650-5206

CAGE:2R503

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

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 1-3.99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1PPM/5STEL;1910.1028

ACGIH TLV:10 PPM; A2; 9192

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 4-10.99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 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: 1-3.99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/125 STEL

ACGIH TLV:100 PPM/125STEL 9192

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: 4-10.99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

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: 1-3.99%

Other REC Limits:NONE SPECIFIED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM; 9192

Ingred Name:ETHYL ALCOHOL (ETHANOL)

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 3-11%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1000

PPM  
ACGIH TLV:1000 PPM; 9293

Ingred Name:GASOLINE UNLEADED  
Fraction by Wt: BALANCE  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) BELIEVED > 5 G/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:EYE IRRITATION, PROLONGED OR  
WIDESPREAD SKIN CONTACT MAY RESULT IN ABSORPTION OF POTENTIALLY  
HARMFUL AMOU  
NTS, BRIEF CONTACT MAY CAUSE SKIN IRRITATION,  
RESPIRATORY TRACT IRRITATION, CENTRAL NERVOUS SYS TEM DISTURBANCES,  
ASPHYXIATION HAZARD, GASTROINTESTINAL DISTURBANCES, ASPIRATION  
HAZARD.  
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:EYE DISCOMFORT/REDNESS, SKIN REDNESS/ SWELLING,  
NOSE/THROAT IRRITATION, HEADACHE, NAUSEA, VOMITING, DIZZINESS,  
DROWSINESS, EUPHORIA, LOSS OF COO  
RDINATION, DISORIENTATION,  
UNCONSCIOUSNESS, ABDOMINAL DI SCOMFORT, DIARRHEA.  
Medical Cond Aggravated by Exposure:BECAUSE OF ITS IRRITATING  
PROPERTIES, REPEATED SKIN CONTACT MAY AGGRAVATE AN EXISTING  
DERMATITIS.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING  
EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND  
WATER. REMOVE CONTAMINATED CLOTHING. INGESTION:GET IMMEDIATE  
ME  
DICAL ATTENTION. INDUCE VOMITING ONLY IF ORDERED BY DOCTOR.  
NOTHING BY MOUTH IF UNCONSCIOUS OR CONVULSING. INHALATION: REMOVE  
TO FRESH AIR. AID BREATHING OR GIVE OXYGEN AS NEEDED. GET MEDICAL  
ATTENTION.

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

Flash Point Method:COC  
Flash Point:-40F,-40C  
Lower Limits:1.4 %  
Upper Limits:7.6 %  
Extinguishing Media:DRY CHEMICAL, FOAM, CARBON DIOXIDE. WATER MAY BE  
INEFFECTIVE ON FLAMES;USE IT TO COOL FIRE-EXPOSED CONTAIN

ERS.

Fire Fighting Procedures:IF A SPILL OR LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND TO PROTECT PERSONNEL WORKING TO STOP LEAK.

Unusual Fire/Explosion Hazard:GASOLINE VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. FLOWING GASOLINE CAN GENERATE ELECTRICITY.

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. VENTILATE AREA.

STAY UPWIND. WEAR PROTECTIVE CLOTHING AND IF LARGE SPILL OR UNFINED AREA, WEAR SCBA. CONTAIN SPILL IF POSSIBLE. REMOVE WITH INERT ABSORBENT. PREVENT ENTRY INTO SEWERS AND WATERWAYS.

Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY MFR.

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

Handling and Storage Precautions:TRANSPORT, HANDLE & STORE I/A/W OSHA 29CFR1910. GROUND CONTAINERS WHEN TRANSFERRING LIQUID. KEEP AWAY FROM HEAT,SPARKS,FLAME & OTHER IGNITION SOURCES.

Other Precautions:EXERCISE DUE CARE WHEN OPENING BLEEDERS AND SAMPLING PORTS. WHEN HANDLING, USE NON-SPARKING TOOLS, GROUND AND BOND ALL CONTAINERS. CONSULT NFPA 77 FOR THE PROPER HANDLING PRECAUTIONS.

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

Respiratory Protection:IF VAPOR, MIST OR DUST IS GENERATED, USE RESPIRATOR APPROVED BY MSHA OR NIOSH AS APPROPRIATE. SUPPLIED AIR RESPIRATORY PROTECTION SHOULD BE USED FOR CLEANING LARGE SPILLS OR U

PON ENTRY INTO TANKS, VESSELS OR OTHER CONFINED SPACES.

Ventilation:ADEQUATE TO MEET RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS.

Protective Gloves:NITRILE, TEFLON, VITON

Eye Protection:CHEMICAL-TYPE GOGGLES OR FACE SHIELD

Other Protective Equipment:UNIFORMS, COVERALLS, BOOTS SHOULD BE WORN WHERE CONTACT WITH PRODUCT IS LIKELY.

Work Hygienic Practices:TEXACO RECOMMENDS THAT ALL EXPOSURES BE MINIMIZED. HMIS:USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT.

Supplemental Sa

fety and Health

KEY2:KT LAUNDER OR DRY CLEAN CONTAMINATED CLOTHING BEFORE REUSE. THIS  
PRODUCT IS INTENDED FOR USE AS A MOTOR FUEL ONLY.

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

HCC:F1

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:>90F,>32C

Vapor Pres:465-775 MM

Vapor Density:3 - 4.0

Spec Gravity:0.7 - .77

Solubility in Water:SLIGHT

Appearance and Odor:LIGHT STRAW TO LIGHT RED LIQUID

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:HEAT, SPARKS, FLAME AND OTHER SOURCES OF  
IGNITION.

Hazardous Decomposition Products:TOXIC LEVELS OF CARBON MONOXIDE,  
CARBON DIOXIDE, IRRITATING ALDEHYDES AND KETONES.

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

Waste Disposal Methods:AS CONSTITUTED PRODUCT IS HAZARDOUS WASTE WITH  
NUMBERS D001 & D018. UNDER RCRA, IT IS THE RESPONSIBILITY OF THE

USER TO PROPERLY CLASSIFY THE PRODUCT AT DISPOSAL SINCE USE MAY  
TRANSFORM OR CONTAMINATE THE PRODUCT TO NON-HAZARDOUS OR TO  
ANOTHER HAZARD

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