

TOSCO REFINING COMPANY -- UNLEAD REGULAR GASOLINE, MINIMUM 87 OCTANE --  
9130-01-272-0983

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

Product ID:UNLEAD REGULAR GASOLINE, MINIMUM 87 OCTANE

MSDS Date:07/07/1993

FSC:9130

NIIN:01-272-0983

Status Code:A

MSDS Number: CLMPN

=== Responsible Party ===

Company Name:TOSCO REFINING COMPANY

Address:2300 CLAYTON RD SUITE 1100

City:CONCORD

State:CA

ZIP:94520-2466

Country

:US

Info Phone Num:908-523-5110

Emergency Phone Num:(800)424-9300

Resp. Party Other MSDS Num.:7387

Chemtrec Ind/Phone:(800)424-9300

CAGE:07CQ3

=== Contractor Identification ===

Company Name:TOSCO REFINING COMPANY

Address:2300 CLAYTON RD SUITE 1100

Box:City:CONCORD

State:CA

ZIP:94520-2466

Country:US

Phone:908-523-5110

CAGE:07CQ3

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

Ingred Name:GASOLINECONSISTS MAINLY OF STRAIGHT CHAIN AND BRANCHED  
PARAFFINIC HYDROCARBONS, OLE  
FINS, CYCLOPARAFFINS, AND AROMATICS.

CAS:8006-61-9

RTECS #:LX3300000

Fraction by Wt: 88-939%

ACGIH TLV:890 MG/M3;300 PPM

ACGIH STEL:1480 MG/M3;500 PPM

Ingred Name:ETHYL ALCOHOL

CAS:64-17-5

RTECS #:KQ6300000

Fraction by Wt: 0-10%

OSHA PEL:1900 MG/M3;1000 PPM

ACGIH TLV:1880 MG/M3;1000 PPM

Ingred Name:BENZENE

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 1-2%

OSHA PEL:1 PPM

OSHA STEL:5 PPM

4-04-4  
RTECS #:KN5250000  
Fraction by Wt: 0-16%  
ACGIH TLV:144 MG/M3;40 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Health Hazards Acute and Chronic:ACUTE: EYE: CAUSES SLIGHT TO MODERATE  
EYE IRRITATION. SKIN CONTACT: MODERATELY IRRITATING; CAUSE REDNESS,  
EDEMA, OR DRYING OF THE SKIN; SKIN ABSORPTION: DOES NOT PENETRATE  
SKIN. INHALATION: RESPIRATOR Y IRRITATION, DIZZ  
INESS, HEADACHE,  
NAUSEA, AND STUPOR MAY RESULT FROM EXPOSURE TO HIGH VAPOR  
CONCENTRATIONS. INGESTION: GASTROINTESTINAL IRRITATION, VOMITING.  
IF ASPIRATED INTO LUNGS SECONDARY TO VOM ITING, PNEUMONITIS AND  
PULMONARY EDEMA MAY RESULT. CHRONIC: OVERXPOSURE TO ETHYL ALCOHOL  
HAS RESULTED IN LIVER ABNORMALITIES AND EYE DAMAGE.BENZENE WHICH IS  
PRESENT IN THIS PRODUCT, HAS BEEN SHOWN TO CAUSE LEUKEMIA AND  
CANCER IN HUMANS

Effects of Overexposure:ACUTE: EYE: CAUSES SLIGHT TO M  
ODERATE EYE  
IRRITATION. SKIN CONTACT: MODERATELY IRRITATING; CAUSE REDNESS,  
EDEMA, OR DRYING OF THE SKIN; SKIN ABSORPTION: DOES NOT PENETRATE  
SKIN. INHALATION: RESPIRATOR Y IRRITATION, DIZZINESS, HEADACHE,  
NAUSEA, AND STUPOR MAY RESULT FROM EXPOSURE TO HIGH VAPOR  
CONCENTRATIONS. INGESTION: GASTROINTESTINAL IRRITATION, VOMITING.  
IF ASPIRATED INTO LUNGS SECONDARY TO VOM ITING, PNEUMONITIS AND  
PULMONARY EDEMA MAY RESULT. CHRONIC: OVERXPOSURE TO ETHYL ALCOHOL  
HAS RES  
ULTED IN LIVER ABNORMALITIES AND EYE DAMAGE. BENZENE WHICH  
IS PRESENT IN THIS PRODUCT HAS BEEN SHOWN TO CAUSE LEUKEMIA AND  
CANCER IN HUMAN BLOOD

Medical Cond Aggravated by Exposure:PREEXISTING SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.  
PREEXISTING SKIN OR LUNG ALLERGIES MAY INCREASE THE CHANCE OF  
DEVELOPING INCREASED ALLERGY STMPTOMS.

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

First Aid:EYE: FLUSH WITH LARGE AMOU

NTS OF LOW PRESSURE WATER FOR AT  
LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.  
SKIN:REMOVE CONTAMINATED CLOTHING. THOROUGHLY WASH AFFECTED AREA  
WITH SOAP AND WATER. INHALATION: IMMEDIATELY REMOVE FROM  
CONTAMINATED AREA TO FRESH AIR. IN CASE OF RESPIRATORY DISTRESS,  
GIVE OXYGEN OR ARTIFICIAL RESPIRATION. INGESTION: DO NOT INDUCE  
VOMITING. IF VOMITING OC CURS, KEEP HEAD BELOW HIPS TO PREVENT  
ASPIRATION INTO LUNGS. GET MEDICAL ATTENTION.

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

Flash Point Method:COC  
Flash Point:=-40.C, -40.F  
Autoignition Temp:=454.4C, 850.F  
Lower Limits:1.4  
Upper Limits:7.6  
Extinguishing Media:USE DRY CHEMICAL, FOAM OR CARBON DIOXIDE. WATER MAY  
BE INEFFECTIVE ON THE FLAMES, BUT WATER SHOULD BE USED TO KEEP  
FIRE-EXPOSED CONTAINERS COOL.  
Fire Fighting Procedures:IF A LEAK OR A SPILL HAS NOT IGNITED, USE  
WATER SPRAY TO DISPERSE THE VAPORS AND TO PROVIDE PROTECTION FOR  
THE PERSONS  
ATTEMPTING TO STOP THE LEAK.  
Unusual Fire/Explosion Hazard:FLOWING GASOLING CAN BE IGNITED BY  
SELF-GENERATED STATIC ELECTRICITY; USE ADEQUATE FROUNDING. VAPORS  
HEAVIER THA AIR AND INVISIBLE. VAPORS ENTERING SEWERS OR OTHER  
CONFINED SPACES MAY CREATE AND EXPLO SION HAZARD.

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES INCLUDING  
INTERNAL COMBUSTION ENGINES AND POWER TOOLS. VENTILATE AREA. AVOID  
BR  
EATHING VAPOR. USE SCBA OR SUPPLIED-AIR MASK FOR LARGE SPILLS IN  
CONFINED AREAS. CONTAIN S PILL IF POSSIBLE. REMOVE WITH INERT  
ABSORBENT. HANDLE ALL LEAKS, SPILLS, AND WASTE MATERIALS IN  
ACCORDANCE WITH ALL APPLICABLE LOCCAL, STATE AND FEDERAL  
REGULATIONS.

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

Handling and Storage Precautions:KEEP AWAY FORM HEAT, SPARKS AND  
FLAMES. AVOID BREATHING VAPOR. USE ONLY IN WELL-VENTILATED  
LOCATIONS. AVOID CONTACT

WITH EYES AND PROLONGED CONTACT WITH SKIN.

KEEP CONTAINER CLOSED. WASH THOROUGHLY AFTER HANDLING.

Other Precautions:DISPOSAL CONT: PRODUCT HAS THE RCRA CHARACTERISITIC OF IGNITABILITY AND IF DISCARDED IN ITS PURCHASED FORM WOULD HAVE THE HAZARDOUS WASTE NUMBER D001.

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

Respiratory Protection:NONE NECESSARY UNDER NORMAL CONDITIONS WITH ADEQUATE VENTILATION. IF CONCENTRATIONS EXCEED THE PEL, NIOSH APPROVED RESP

IRATROY PROTECTIVE EQUIPMENT MUST BE WORN. THIS INCLUDES BOTH AIR PURIFYING CARTRIDGE RESPIRATORS OR AIR SUPPLIED RESPIRATORY PROTECTIVE EQUIPMENT.

Ventilation:USE ADEQUAATE NATURAL OR MECHANICL VENTILATION TO KEEP VAPOR CONCENTRATIONS OF THIS MATERIAL AT/OR BELOW THE PEL.

Protective Gloves:RESISTNT TO CHEMICAL ANS PETROLEUM DISTILLATES.

Eye Protection:CHEMICAL TYPE GOGGLES OR FACE SHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS UNIFORMS, COVERALLS OR LAB COATS SHOULD BE WORN. LAUNDER OR DRY CLEAN WHEN SOILED.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:>32.2C, 90.F

Vapor Pres:5 - 15

Vapor Density:3.4 - 4.0

Spec Gravity:0.71 - 0.78

Evaporation Rate & Reference:>1.0 (ETHER=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID, GASOLINE/ALCOHOL/ETHER ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:KEEP AWAY FROM HEAT, SPARKS AND FLAMES.

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE MAY BE FORMED ON BURNING IN LIMITED AIR SUPPLY.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:RE-EVALUATION OF THE PRODUT MAY BE REQUIRED BY THE USER AT THE T

TIME OF DISPOSAL, SINCE THE PRODUCT USES,  
TRANSFORMATIONS, MIXTURES AND PROCESSES MAY CHANGE CLASSIFICATION  
TO NON-HAZARDOUS OR HAZARDOUS FOR REASONS OTHER THAN, OR IN  
ADDITION TO IGNITABILITY. SEE OTHER PRECAUTIONS;

===== MSDS Transport Information =====

Transport Information: TRANSPORT, HANDLE AND STORE IN ACCORDANCE WITH  
OSHA REGULATION 1910.106 AND APPLICABLE D.O.T. REGULATIONS. DOT  
PROPER SHIPPING NAME: GASOLINE. DOT HAZARD CLASS: FLAMMABLE LI  
QUID,  
UN 1203

===== Regulatory Information =====

SARA Title III Information: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC  
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF  
THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND  
OF 40 CFR 372; BENZENE (1-2%), TOLUENE (2-8%), ETHYLBENZENE (0-3%),  
O-XYLENE (0-3%), M-XYLENE (1-7%), P-XYLENE (0-3%), CYCLOHEXANE  
(0-1%), 1,2,4-TRIMETHYLBENZENE (1-3%), NAPHTHALENE (0-1%), C  
UMENE  
(0-1%), METHYL TERT-BUTYL ETHER (0-16%).

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):  
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particular situation.