

TOSCO REFINING COMPANY -- UNLEAD REGULAR GASOLINE, MINIMUM 87 OCTANE --
9130-00-148-7103

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

Product ID:UNLEAD REGULAR GASOLINE, MINIMUM 87 OCTANE

MSDS Date:07/07/1993

FSC:9130

NIIN:00-148-7103

Status Code:A

MSDS Number: CLMPR

=== 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, OLEFINS, CYCLOPARAFFINS, AND AROMATICS.

CAS:8006-61-9

RTECS #:LX3300

000

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

ACGIH TLV:32 MG/M3;10 PPM

EPA Rpt Qty:10 LBS

3;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, 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 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 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, 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 RESULTED 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 AMOUNTS OF LOW PRESSURE WATER FOR AT LEAST 15 MINUTES. IF IRRITAT

ION 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 OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION INTO LUNGS. GET MEDICAL ATTENTION.

===== 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 GROUNDING. VAPORS HEAVIER THAN AIR AND INVISIBLE. VAPORS ENTERING SEWERS OR OTHER CONFINED SPACES MAY CREATE AN EXPLOSION HAZARD.

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

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

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

Handling and Storage Precautions:KEEP AWAY FROM 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

SED. 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.

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

Respiratory Protection:NONE NECESSARY UNDER NORMAL CONDITIONS WITH ADEQUATE VENTILATION. IF CONCENTRATIONS EXCEED THE PEL, NIOSH APPROVED RESPIRATORY PROTECTIVE EQUIPMENT MUST BE WORN. THIS INCLUDES BOTH

AIR PURIFYING CARTRIDGE RESPIRATORS OR AIR SUPPLIED RESPIRATORY PROTECTIVE EQUIPMENT.

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

Protective Gloves:RESISTANT TO CHEMICAL AND 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. LAUNDRY OR DRY CLEAN WHEN SOILED.

Work Hygienic

Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

===== 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

===== 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.

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

Waste Disposal Methods:RE-EVALUATION OF THE PRODUCT MAY BE REQUIRED BY THE USER AT THE TIME OF DISPOSAL,SINCE THE PRODUCT USES, TRANSFORMATIONS, MIXTURES

URES 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 LIQUID,
UN 1203

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

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

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the sui
tability of this information to their
particular situation.