

TOSCO REFINERY -- UNLEADED REGULAR GASOLINE -- 9130-00-148-7103

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

Product ID:UNLEADED REGULAR GASOLINE

MSDS Date:03/17/1989

FSC:9130

NIIN:00-148-7103

MSDS Number: BPRCP

=== Responsible Party ===

Company Name:TOSCO REFINERY

Address:2401 COLORADO AVENUE

City:SANTA MONICA

State:CA

ZIP:90406

Country:US

Info Phone Num:415-228-1220

Emergency Phone Num:415-228-1220/800-424-9300(CHEMTREC)

CAGE:TOSCO

=== Contractor Identification ===

Co

Company Name:TOSCO REFINERY

Address:2300 CLAYTON ROAD SUITE 1100

Box:City:CONCORD

State:CA

ZIP:94520-2466

Country:US

Phone:510-602-4000

CAGE:TOSCO

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

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 1 - 2%

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:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fracti

on by Wt: 2 - 8%
Other REC Limits:NONE RECOMMENDED
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: 0 - 3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM/125 STEL
ACGIH TLV:100 PPM/125STEL 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:O-XYLENE (O-DIMETHYLBENZENE) (SARA III)
CAS:95-47-6
RTECS #:ZE2450000
Fraction by Wt: 0 - 3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:M-XYLENE (M-DIMETHYLBENZENE) (SARA III)
CAS:108-38-3
RTECS #:ZE2275000
Fraction by Wt: 1 - 7%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:P-XYLENE (P-DIMETHYLBENZENE) (SARA III)
CAS:106-42-3
RTECS #:ZE2625000
Fraction by Wt: 0 - 3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1

00 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 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, 9293
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%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM; 9293

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/15 STEL
ACGIH TLV:10 PPM/15 STEL; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 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; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:GASOLINE
CAS:8006-61-9
RTECS #:LX3300000
Fraction by Wt: BALANCE
Other REC Limits:NONE RECO

MMENDED
OSHA PEL:300 PPM/500 STEL
ACGIH TLV:300 PPM/500STEL;9293

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

LD50 LC50 Mixture:LD50 (ORAL-RAT) > 5 G/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:EYE IRRITATION, SKIN IRRITATION,
RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM DISTURBANCES,
GASTROINTESTINAL IRRITATION, ASPIRATION HAZARD.
Explanation of Carcinog
enicity:PRODUCT CONTAINS BENZENE
Effects of Overexposure:SLIGHT TO MODERATE EYE IRRITATION,
REDNESS/EDEMA/DRYING OF THE SKIN, DIZZINESS, HEADACHE, NAUSEA,
STUPOR, VOMITING, PNUEMONITITS, PULMONARY EDEMA.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND OR
RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSIST,
SEEK MEDICAL ATTENTION
. SKIN: REMOVE CONTAMINATED CLOTHING.
THOROUGHLY WASH AFFECTED AREA WITH SOAP AND WATER. INHALATION:
IMMEDIATELY REM OVE 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.

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

Flash Point Method:COC
Flash Point:-40F,-40C
Autoignition Temp:Autoignition Temp Text:850F
L
ower Limits:1.4%
Upper Limits:7.6%
Extinguishing Media:DRY CHEMICAL, FOAM OR CARBON DIOXIDE. WATER MAY BE
INEFFECTIVE ON FLAMES, BUT SHOULD BE USED TO COOL CONTAINERS.
Fire Fighting Procedures:IF A LEAK OR 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 GASOLINE CAN BE IGNITED BY
SELF-GENERATED STATIC ELECTRICITY; USE ADEQUATE GROUNDING. VAPORS
ENTERING S

EWERS OR OTHER CONFINED SPACES MAY CREATE 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.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== 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 W/EYES & PROLONGED CONTACT W/SKIN.

Other Precautions:LONG TERM EXPOSURE TO VAPORS HAS CAUSED CANCER IN LABORATORY ANIMALS. TRANSPORT, HANDLE AND STORE IN ACCORDANCE WITH OSHA REGULATION 1910.106 AND APPLICABLE DOT REGULATIONS.

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

Respiratory Protection:

NONE NECESSARY UNDER NORMAL CONDITIONS WITH ADEQUATE VENTILATION. IF CONCENTRATIONS EXCEED THE PEL, NIOSH APPROVED RESPIRATORY PROTECTION MUST BE WORN. THIS INCLUDES BOTH AIR PURIFYING CARTRIDGE RESPIRATORS OR AIR-SUPPLIED RESPIRATORS.

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

Protective Gloves:CHEMICAL RESISTANT

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 WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

RECENT STUDIES WITH LABORATORY ANIMALS HAVE SHOWN THAT GASOLINE VAPORS ADMINISTERED IN HIGH CONCENTRATIONS OVER PROLONGED PERIOD OF TIME CAUSED KIDNEY DAMAGE AND KIDNEY CANCER IN MALE RATS AND LIVER CANCER IN FEMALES

AL E MICE. GENERALLY HUMAN EXPOSURE IS CONSIDERABLY LESS
THAN THOSE USED IN ANIMAL TOXICITY STUDIES.

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

HCC:F2

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

Vapor Pres:> 350

Vapor Density:3.4 - 4.0

Spec Gravity:.71 - .78

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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID, GASOLINE ODOR

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS

Stability Condition to Avoid:HIGH TEMPERATURES, SOURCES OF IGNITION,
OPEN FLAMES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:RE-EVALUATION MAY BE REQUIRED BY THE USER AT
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.

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