

TOSCO REFINING COMPANY -- UNLEADED REGULAR GASOLINE-87 OCTANE -- 9130-00-148-7102
===== Product Identification =====

Product ID:UNLEADED REGULAR GASOLINE-87 OCTANE

MSDS Date:12/15/1991

FSC:9130

NIIN:00-148-7102

MSDS Number: BWSMY

=== Responsible Party ===

Company Name:TOSCO REFINING COMPANY

Address:2300 CLAYTON RD, SUITE 1100

City:CONCORD

State:CA

ZIP:94520

Country:US

Info Phone Num:510-228-1220

Emergency Phone Num:510-228-1220

Chemtrec Ind/Phone:(800)424-9300

CAGE:TXSCX

=== Contractor Identification ===

Company Name:TOSCO CORP (FORMERLY LION OIL IN PORTLAND,OR)

Address:11400 NW ST HELENS RD

Box:03416

City:PORTLAND

State:OR

ZIP:97203

Country:US

CAGE:3R733

Company Name:TOSCO REFINING CO

Address:2300 CLAYTON RD

Box:City:CONCORD

State:CA

ZIP:94520

Country:US

Phone:800-424-9300 (CHEMTREC)

CAGE:TXSCX

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

Ingred Name:GASOLIN

E (INCLUDING THE FOLLOWING INGREDIENTS)

CAS:8006-61-9

RTECS #:LX3300000

Fraction by Wt: 95-99.9%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM/500STEL;9495

Ingred Name:BENZENE (SARA 313) (CERCLA)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 1 - 2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1028

ACGIH TLV:10 PPM; A2; 9495

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:TOLUENE (SARA 313) (CERCLA)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 2 - 8%

Other REC

Limits:NONE RECOMMENDED

OSHA PEL:200 PPM; Z-2

ACGIH TLV:S, 50 PPM; 9495

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA 313)

CAS:100-41-4

RTECS #:DA0700000

Fraction by Wt: 0 - 3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/125STEL;9495

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:O-XYLENE (O-DIMETHYLBENZENE) (SARA 313) (CERCLA)

CAS:95-47-6

RTECS #:ZE2450000

Fraction by Wt: 0 - 3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGI

H TLV:100 PPM/150STEL;9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:M-XYLENE (M-DIMETHYLBENZENE) (SARA 313) (CERCLA)
CAS:108-38-3
RTECS #:ZE2275000
Fraction by Wt: 1 - 7%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM/150STEL;9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:P-XYLENE (P-DIMETHYLBENZENE) (SARA 313) (CERCLA)
CAS:106-42-3
RTECS #:ZE2625000
Fraction by Wt: 0 - 3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM/150STE
L;9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:CYCLOHEXANE (SARA 313) (CERCLA)
CAS:110-82-7
RTECS #:GU6300000
Fraction by Wt: 0 - 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM, 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA 313)
CAS:95-63-6
RTECS #:DC3325000
Fraction by Wt: 1 - 3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM; 9495

Ingred Name:NAPHTHALENE (SARA 313) (CERCLA)
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; 9495
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:CUMENE (SARA 313) (CERCLA)
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; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS >5,000 MG/KG.

Routes

of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY TRACT. ACUTE- CAUSES EYE AND SKIN IRRITATION. DOES NOT PENETRATE SKIN. INHALATION CAUSES IRRITATION, DIZZINESS, HEADACHE, NAUSEA. INGESTION CAN CAUSE IRRITATION, VOMITING. MAY CAUSE LUNG DAMAGE IF ASPIRATED. CHRONIC- UNKNOWN.

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 AND RESPIRATORY TRACT IRRITATION, BURNING OF MOUTH AND UPPER GASTROINTESTINAL TRACT, EDEMA OF LUNG, HEADACHE, DIZZINESS, DROWSINESS, DEFATTING WITH DRYING SKIN, VOMITING

Medical Cond Aggravated by Exposure:BENZENE: INDIVIDUALS WITH LIVER, KIDNEY AND BLOOD DISEASES. PETROLEUM SOLVENT: THOSE WITH EXISTING DERMATITIS, OTHER SKIN DISORDERS, RESPIRATORY DISEASES

===== First Aid Measures ==

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First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION. IF SPONTANEOUS 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

Lower Limits:1.4

Upper Limits:7.6

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL. WATER MAY BE INEFFECTIVE, BUT SHOULD BE USED TO COOL FIRE-EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:FLOWING GASOLINE CAN BE IGNITED BY SELF-GENERATED STATIC ELECTRICITY. VAPORS ENTERING SEWERS OR CONFINED SPACES MAY CREATE AN EXPLOSION HAZARD.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. ELIMINATE SOURCES OF IGNITION. USE EXPLOSION-PROOF TOOLS. SHUT OFF FUEL SOURCE. DIKE SPILL. PREVENT LIQUID FROM ENTERING SEWERS/WATERWAYS. RECOVER FREE LIQUID. ADD SAND, EARTH/OTHER ABSORBENTS. TRANSFER TO CONTAINER.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION REGULATIONS. KEEP CONTAINERS CLOSED.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/DEATH. AVOID REPEATED OR PROLONGED CONTACT WITH SKIN.

===== Exposure Controls/Personal Protection

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Respiratory Protection:IF HIGH VAPOR CONCENTRATION IS EXPECTED, WEAR NIOSH-APPROVED ORGANIC RESPIRATOR. USE IN WELL VENTILATED AREA.

Ventilation:LOCAL/MECHANICAL (GENERAL) VENTILATION - EXPLOSION PROOF, WELL GROUNDED EQUIPMENTS

Protective Gloves:NITRILE-BUTADIENE FOR FREQUENT USERS

Eye Protection:CHEMICAL SPLASH GOGGLES IF SPLASING

Other Protective Equipment:IMPERVIOUS CLOTHING TO AVOID SKIN AND EYE CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:A

VOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH HANDS AFTER USING PRODUCT. AVOID BREATHING VAPORS OR MISTS.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME NSN.

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

HCC:F1

NRC/State Lic Num:NOT RELEVANT

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

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Vapor Pres:>350

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 ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, SPARKS, STATIC ELECTRICITY, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:FUMES, CARBON MONOXIDE, CARBON DIOXIDE AND OTHER DECOMPOSITION PRODUCTS MAY BE FORMED.

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

Waste Disposal Methods:RECYCLE AS MUCH AS POSSIBLE. TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. WASTE NUMBER: D001. RCRA EMERGENCY HOTLINE NUMBER IS 800-424-9346. REPORT SPILLS ASREQUIRED.

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