

## CITGO PETROLEUM CORP -- PREMIUM UNLEADED GASOLINE-91 OCTANE -- 9130-00-148-7102

## ===== Product Identification =====

Product ID:PREMIUM UNLEADED GASOLINE-91 OCTANE  
 MSDS Date:04/30/1990  
 FSC:9130  
 NIIN:00-148-7102  
 MSDS Number: BRNHC  
 === Responsible Party ===  
 Company Name:CITGO PETROLEUM CORP  
 Box:992  
 City:TULSA  
 State:OK  
 ZIP:74102  
 Country:US  
 Info Phone Num:918-495-5933  
 Emergency Phone Num:318-491-6215 800-424-9300(CHEMTREC)  
 CAGE:7X110  
 === Contractor Identification ===  
 Company Name:CITGO PETROLEUM CORP  
 Address:6100 S YALE AVE  
 Box:3758  
 City:TULSA  
 State:OK  
 ZIP:74102  
 Country:US  
 Phone:918-495-5933  
 CAGE:7X110

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

Ingred Name:NAPHTHA (PETROLEUM SPIRITS OR BENZIN)  
 CAS:8030-30-6  
 RTECS #:DE3030000  
 Fraction by Wt: 85-98%  
 Other REC Limits:NONE RECOMMENDED  
 OSHA PEL:100 PPM  
 ACGIH TLV:300 PPM

Ingred Name:BENZENE (SARA III)  
 CAS:71-43-2  
 RTECS #:CY1400000  
 Fraction by Wt: <5%  
 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:LOWER ALIPHATIC ALCOHOLS  
 Fraction by Wt: 0-11%  
 Other REC Limits:NONE RECOMMENDED

Ingred Name:LOWER ALIPHATIC ETHERS  
 Fraction by Wt: 0-15%  
 Other REC Limits:NONE RECOMMENDED

Ingred Name:TERT-BUTYL ALCOHOL (SARA III)  
 CAS:75-65-0  
 RTECS #:EO1925000  
 Fraction by Wt: 0-10%  
 Other REC Limits:NONE RECOMMENDED  
 OSHA PEL:100 PPM  
 ACGIH TLV:100PPM 9394

Ingred Name:ETHYL BENZENE (SARA III)  
 CAS:100-41-4

RTECS #:DA0700000  
 Fraction by Wt: 0-5%  
 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:METHYL TERT-BUTYL ETHER (SARA III)  
 CAS:1634-04-4  
 RTECS #:KN5250000  
 Fraction by Wt: 0-15%  
 Other REC Limits:NONE RECOMMENDED  
 EPA Rpt Qty:1 LB  
 DOT Rpt Qty:1 LB

Ingred Name:TOLUENE (SARA III)  
 CAS:108-88-3  
 RTECS #:XS5250000  
 Fraction by Wt: 0-25%  
 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:1,2,4-TRIMETHYLBENZENE (SARA III)  
 CAS:95-63-6  
 RTECS #:DC3325000  
 Fraction by Wt: 0-5%  
 Other REC Limits:NONE RECOMMENDED  
 OSHA PEL:25 PPM  
 ACGIH TLV:25 PPM; 9293

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
 CAS:1330-20-7  
 RTECS #:ZE2100000  
 Fraction by Wt: 0-25%  
 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

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

LD50 LC50 Mixture:TLV=300PPM (ACGIH FOR GASOLINE)  
 Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
 Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
 Health Hazards Acute and Chronic:INHAL:VAPORS ARE INTOXICATING AND  
 IRRITATING.BENZENE IS A CARCINOGEN WHICH AFFECTS THE BLOOD FORMING  
 ORGANS.SKIN:CAUSING DRYING AND  
 DEFATTING.EYE:IRRITANT.INGEST:IRRITATES UPPER GI TRACT.CAN CAUSE  
 LUN G DAMAGE IF VOMITED AFTER SWALLOWING.  
 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:INHAL:EUPHORIA,HEADACHE,DIZZINESS,DROWSINESS,CONVULSIONS,COMA,CYANOSIS,GENERALIZED DEPRESSION.INGEST:BURNING MOUTH,UPPER  
 GI TRACT ...ABOVE 1 OZ:GENERAL DEPRESSION,SEDATION,RESPIRATORY  
 DEPRESSION,COMA.  
 Medical Cond Aggravated by Exposure:PERSONS WITH EXISTING DERMATITIS  
 MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHAL:REMOVE TO FRESH AIR.GIVE RESPIRATORY SUPPORT IF  
 NEEDED.CALL PHYSICIAN.SKIN:REMOVE CONTAMINATED CLOTHING.WASH WITH  
 SOAP AND WATER.EYES:FLUSH WITH WATER.CALL PHYSICIAN.INGEST:DO NOT

INDUCE VOMITIN G.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF VOMITING OCCURS,LAY VICTIM ON LEFT SIDE,HEAD DOWN.

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Fire Fighting Measures  
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Flash Point Method:COC  
Flash Point:-45F,-43C  
Lower Limits:1.4  
Upper Limits:7.6  
Extinguishing Media:CARBON DIOXIDE,DRY CHEMICAL,FOAM,WATER FOG.  
Fire Fighting Procedures:WEAR A SELF-CONTAINED BREATHING APPARATUS WHEN IN ENCLOSED SPACES.  
Unusual Fire/Explosion Hazard:MATERIEL IS HIGHLY VOLATILE;VAPORS ARE HEAVIER THAN AOR AND TRAVEL ALONG THE GROUND;VAPORS CAN FLASHBACK SINCE FLOWING GASOLINE GENERATES STATIC ELECTRICITY.

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Accidental Release Measures  
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Spill Release Procedures:REMOVE SOURCES OF IGNITION;VENTILATE AREA.SMALL SPILLS-PICK UP WITH NON-FLAMMABLE ADSORBANT(EG.SAND);PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.LARGE SPILLS-CONTAIN BY DIKING;PLACE A FIRE FIGHT FO AM BLANKET OVER SPILL UNTIL COLLECTED.  
Neutralizing Agent:NONE

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Handling and Storage  
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Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED;AWAY FROM HEAT,FLAMES AND STRONG OXIDIZERS.  
Other Precautions:EMPTY CONTAINERS MAY CONTAIN EXPLOSIVE VAPORS/RESIDUE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:IN THE LACK OF ENVIRONMENTAL CONTROLS,USE ORGANIC RESPIRATOR.IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.  
Ventilation:USE ONLY IN WELL VENTILATED AREAS.USE ENVIRONMENTAL CONTROLS TO MAINTAIN TLV BELOW 300PPM.  
Protective Gloves:NITRILE-BUTADIENE RUBBER.  
Eye Protection:SPLASH-PROOF GOGGLE OF SAFETY SHILED.S.  
Other Protective Equipment:BODY-COVERING GARMENTS TO PROTECT AGAINST SKIN CONTACT.  
Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.  
Supplemental Safety and Health  
NONE

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Physical/Chemical Properties  
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HCC:F1  
NRC/State Lic Num:NONE  
Boiling Pt:=35.C, 95.F  
Vapor Pres:510-760  
Vapor Density:3-4  
Spec Gravity:.75  
Evaporation Rate & Reference:<1  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:LIQUID;LIGHT YELLOW OR CLEAR;GASOLINE ODOR.  
Percent Volatiles by Volume:HIGH

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES  
STRONG OXIDANTS,STRONG ACIDS,CAUSTICS.  
Stability Condition to Avoid:HIGH TEMPREATURE AND FLAMES.  
Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE.

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

Waste Disposal Methods:RCRA HOTLINE:800-424-9346.POSSIBLY RCRA  
HAZARDOUS WASTE(TOXIC AND IGNITABLE).DISPOSE OF IN ACCORDING TO  
FEDERAL,STATE AND LOCAL REGULATIONS.

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