

CITGO UNLEADED GASOLINE 04-001

MSDS Number

BGWTk

National Stock Number

9130-00-148-7103

Product Name

CITGO UNLEADED GASOLINE 04-001

Manufacturer

CITGO PETROLEUM CORP

Product Identification

Product ID: CITGO UNLEADED GASOLINE 04-001

MSDS Date: 10/24/1988

FSC: 9130

NIIN: 00-148-7103

MSDS Number: BGWTk

Responsible Party

CITGO PETROLEUM CORP

6100 S YALE BLDG 1 WARREN PL

TULSA, OK 74102

US

Emergency Phone: 918-561-5165

Info Phone: 918-561-5165

Cage: 7X110

Contractor

CITGO PETROLEUM CORP

3758

TULSA, OK 74102

US

918-495-5933

Cage: 7X110

Ingredients

BENZENE (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight: 0-5%

OSHA PEL1PPM/5STEL;1910.1028

ACGIH TLV: 10 PPM; A2; 9192

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

TERT-BUTYL ALCOHOL (SARA III)

CAS: 75-65-0

RTECS: EO1925000

Fraction By Weight: 0-10%

OSHA PEL100 PPM

ACGIH TLV: 100PPM 9394

ETHYL BENZENE (SARA III)

CAS: 100-41-4

RTECS: DA0700000

Fraction By Weight: 0-5%

OSHA PEL100 PPM/125 STEL

ACGIH TLV: 100 PPM/125STEL 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

METHYL TERT-BUTYL ETHER (SARA III)

CAS: 1634-04-4

RTECS: KN5250000

Fraction By Weight: 0-15%

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: 0-25%

OSHA PEL200 PPM/150 STEL

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

1,2,4-TRIMETHYLBENZENE (SARA III)

CAS: 95-63-6

RTECS: DC3325000

Fraction By Weight: 0-5%

OSHA PEL25 PPM

ACGIH TLV: 25 PPM; 9192

XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 0-25%

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >5G/KG

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: MODERATE RISK OF VAPOR INTOXICATION. MAJOR RISK IS ENCLOSED SPACES WITH POOR VENTILATION. SKIN: DEFATTING WITH DRYING AND CRACKING CAN LEAD TO DERMATITIS AND SECONDARY INFECTION. EYE: IRRITANT. INGESTION: BURNING OF MOUTH AND UPPER GI TRACT, VOMITING AND DIARRHEA. PROLONGED OR REPEATED CONTACT: DERMATITIS.

Explanation of Carcinogenicity:API SPONSORED CHRONIC INHALATION STUDIES OF UNLEADED GASOLINE VAPORS INDICATE THAT IT IS CARCINOGENIC TO LAB ANIMALS.

Effects of Overexposure:INHALATION MAY CAUSE EUPHORIA, LUNG IRRITATION AND EDEMA, HEADACHE, DIZZINESS, DROWSINESS, CONVULSIONS, COMA, CYANOSIS, GENERALIZED DEPRESSION. INGESTION MAY CAUSE GENERAL DEPRESSION, SEDATION, RESPIRATORY DEPRESSION, COMA.

Medical Condition Aggravated by Exposure:PERSONNEL WITH PRE-EXISTING DERMATITIS.

First Aid

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. FOR RESPIRATORY DISTRESS, GIVE AIR, OXYGEN, OR CPR IF NECESSARY. INGESTION: DO NOT INDUCE VOMITING. KEEP HEAD BELOW HIPS IF VOMITING OCCURS TO PREVENT ASPIRATION INTO LUNGS. GET MEDICAL ATTENTION IF REQUIRED IN ALL CASES.

Fire Fighting

Flash Point Method:COC

Flash Point:-45F,-43C

Lower Limits:1.4

Upper Limits:7.6

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS WHEN IN A CONFINED AREA.

Unusual Fire/Explosion Hazard:MATERIAL IS HIGHLY VOLATILE AND EMITS VAPORS WHICH MAY BE IGNITED BY OTHER IGNITION SOURCES.

Accidental Release

Spill Release Procedures:SMALL: TAKE UP WITH NON COMBUSTIBLE ABSORBENT SUCH AS FULLER'S EARTH OR SAND. PLACE INTO CONTAINERS FOR LATER DISPOSAL. LARGE: CONTAIN SPILL IN EARTHEN DIKES FOR LATER RECOVERY. CONTROL IGNITION SOURCES AROUND SPILL AREA. REPORT SPILLS AS REQUIRED.

Handling

Handling and Storage Precautions:AVOID STATIC IGNITION HAZARD WHEN TRANSFERRING MATERIAL. KEEP CONTAINERS CLOSED AND AWAY FROM HEAT & IGNITION SOURCES! DO NOT USE AS CLEANING AGENT.

Other Precautions:EMPTY CONTAINERS RETAIN SOME LIQUID/VAPOR RESIDUES; HAZARD PRECAUTIONS MUST BE OBSERVED WHEN HANDLING EMPTIES. KEEP OUT OF REACH OF CHILDREN! DO NOT USE ANY HYDROCARBON FUEL IN SPACES WITHOUT ADEQUATE VENTILATION. USE ONLY AS A FUEL.

Exposure Controls

Respiratory Protection:A NIOSH/MSHA APPROVED ORGANIC VAPOR RESPIRATOR, SUPPLIED AIR, OR SELF-CONTAINED BREATHING APPARATUS (SCBA) MUST BE USED WHEN VAPOR CONCENTRATIONS EXCEED THE OCCUPATIONAL EXPOSURE LIMITS.

Ventilation:USE ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATIONS OF

THIS MATERIAL BELOW THE OCCUPATIONAL EXPOSURE LIMITS.
Protective Gloves:WEAR OIL IMPERVIOUS (EG: NITRILE) GLOVES
Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD
Other Protective Equipment:OIL IMPERVIOUS INDUSTRIAL WORK CLOTHING TO MINIMIZE SKIN CONTACT. EYE BATH AND SAFETY SHOWER RECOMMENDED.
Work Hygienic Practices:USE GOOD PERSONAL HYGIENE. USE WATERLESS HAND CLEANER TO WASH EXPOSED SKIN. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

THE VARIABLE COMPOSITION MAKES IT IMPOSSIBLE TO SET A SPECIFIC EXPOSURE LIMIT FOR ALL COMPOSITIONS OF THIS MATERIAL. SPECIFIC EXPOSURE LIMITS FOR POTENTIAL COMPONENTS SUCH AS BENZENE SHOULD BE APPLIED BASED ON AIR MONITORING TO ASSURE EMPLOYEES ARE NOT EXPOSED TO EXCESSIVE VAPOR LEVELS OF COMPONENTS.

Chemical Properties

HCC:F1

Boiling Pt: =35.C, 95.F

Vapor Pres: >510

Vapor Density: 3-4

Spec Gravity: 0.75

Evaporation Rate & Reference: Solubility in Water: NEGLIGIBLE

Appearance and Odor: LIGHT YELLOW LIQUID, GASOLINE ODOR.

Percent Volatiles by Volume: >95

Stability

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, STRONG MINERAL ACIDS, STRONG ALKALIS

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION.

Hazardous Decomposition Products: BURNING OR EXCESSIVE HEATING MAY PRODUCE CARBON MONOXIDE AND OTHER HARMFUL GASES/VAPORS.

Disposal

Waste Disposal Methods: IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE IF THE MATERIAL IS A HAZARDOUS WASTE AT THE TIME OF DISPOSAL. CHECK BEFORE DISPOSING TO BE SURE YOU ARE IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. CHEMTREC/RCRA EMER. NO.: 800-424-9346

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