

BP OIL CO -- GASOLINE BP REGULAR UNLEADED (RFG W/MTBE) -- 9130-01-388-4080

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

Product ID:GASOLINE BP REGULAR UNLEADED (RFG W/MTBE)

MSDS Date:06/08/1994

FSC:9130

NIIN:01-388-4080

MSDS Number: BYPGP

=== Responsible Party ===

Company Name:BP OIL CO

Address:200 PUBLIC SQ

City:CLEVELAND

State:OH

ZIP:44114-2375

Country:US

Info Phone Num:216-586-4219/800-321-8642

Emergency

Phone Num:216-586-4219/800-321-8642

CAGE:0D3L4

=== Contractor Identification ===

Company Name:AIR BP, BP OIL LTD

Address:CLEVELAND HOPKINS INTL AIRPORT

Box:City:CLEVELAND

State:OH

ZIP:44135

Country:US

Phone:216-267-3550

CAGE:0NDT1

Company Name:BP OIL CO

Address:200 PUBLIC SQ

City:CLEVELAND

State:OH

ZIP:44114-2375

Country:US

Phone:216-586-4219/216-586-6499

CAGE:0D3L4

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

Ingred Name:METHYL TERT BUTYL ETHER (MTBE), 2-METHOXY-2-MET

HYL PROPANE,  
T-BUTYLMETHYL ETHER \*96-1\*  
CAS:1634-04-4  
RTECS #:KN5250000  
Fraction by Wt: 15%  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:XYLENE, DIMETHYLBENZENE, XYLOL (IARC - GROUP 3) \*95-4\*  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 9%  
Other REC Limits:100 PPM  
OSHA PEL:100 PPM  
ACGIH TLV:100 PPM, SKIN  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (IARC CARC- GROUP 3) \*95-4\*  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 6%  
Other REC Limits:375 MG/CUM  
OSHA  
PEL:100 PPM  
ACGIH TLV:100 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:1,2,4-TRIMETHYLBENZENE \*95-4\*  
CAS:95-63-6  
RTECS #:DC3325000  
Fraction by Wt: 3%  
ACGIH TLV:25 PPM

Ingred Name:BENZENE (SUSPECTED HUMAN CARC BY ACGIH, IARC, ANIMAL  
CARCINOGEN BY IARC, CARCINOGEN BY NTP - IARC GROUP 1) \*95-4\*  
CAS:71-43-2  
RTECS #:CY1400000  
Fraction by Wt: 2%  
Other REC Limits:16 MG/CUM  
ACGIH TLV:0.3 MG/CUM (A2) IC  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:ETHYL BENZENE \*95-4\*  
CAS:100-4

1-4  
RTECS #:DA0700000  
Fraction by Wt: 2%  
Other REC Limits:100 PPM  
OSHA PEL:435 MG/CUM  
ACGIH TLV:434 MG/CUM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:CYCLOHEXANE  
CAS:110-82-7  
RTECS #:GU6300000  
Fraction by Wt: 1%  
Other REC Limits:300 PPM  
OSHA PEL:1050 MG/CUM  
ACGIH TLV:1030 MG/CUM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:GASOLINE  
CAS:8006-61-9  
RTECS #:LX3300000  
Fraction by Wt: 85-86%  
Other REC Limits:300 PPM  
ACGIH TLV:890 MG/CUM

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:INGESTION: HARMFUL/FATAL. ASPIRATION  
HAZARD, CAN ENTER LUNGS & CAUSE PNEUMONITIS/DAMAGE. IRRITATION,  
HARMFUL CNS EFFECTS, RESPIRATORY ARREST, DEATH. INHALATION:  
RESPIRATORY TRACT IRRITATION, CNS EFFECTS, IRREGULAR HEART RHYTHMS.  
SKIN: IRRITATION, BURNS. EYES: IRRITATION, CONJUNCTIVITIS.

Explanation of Carcinogenicity:SEE INGREDIENTS.

Effects of Overexposure:IRRITATION, GI DISTURBANCES, NAUSEA, VOMITING,  
DIARRHEA, EXCITATION, EUPHORIA, HEADACHE, DIZZINESS, DROWSINESS,  
BLURRED VISION, FATIGUE, TREMORS, CONVULSIONS, LOSS OF  
CONSCIOUSNESS, COMA, DEFATTING, REDNESS, ITCHING, CRACKING OF  
SKIN, BURNS, SWOLLEN & DISCOLORED TISSUE, PAIN, LACRIMATION,  
INFLAMMATION.

Medical Conditions Aggravated by Exposure:PRE-EXISTING EYE, SKIN &  
RESPIRATORY DISORDERS.

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

asures =====

First Aid:INGESTION: DON'T INDUCE VOMITING. ASPIRATION HAZARD. SKIN:  
WASH W/SOAP & WATER. INJECTIONS NEED SERIOUS MEDICAL ATTENTION.  
EYES: FLUSH W/WATER FOR 15 MINS. INHALATION: REMOVE TO FRESH AIR.  
GIVE OXYGEN /CPR AS NEEDED. NOTE TO PHYSICIAN: ACUTE CHEMICAL  
PNEUMONITIS CAN RAPIDLY PROGRESS TO RESPIRATORY FAILURE. FOR SKIN  
INJECTION CONSIDER DEBRIDEMENT TO MINIMIZE NECROSIS & TISSUE LOSS.  
(SEE SUPP)

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

Flash Point Method:TCC  
Flash Point:-35F  
Lower Limits:1.4  
Upper Limits:7.6  
Extinguishing Media:DRY CHEMICAL, ALCOHOL FOAM, CLASS B EXTINGUISHERS,  
CO2.  
Fire Fighting Procedures:WATER MAY BE INEFFECTIVE, USE TO COOL FIRE  
EXPOSED CONTAINERS. FIREFIGHTERS MUST WEAR MSHA/NIOSH APPROVED  
POSITIVE PRESSURE SCBA W/FULL FACE MASK/CLOTHING.  
Unusual Fire/Explosion Hazard:VAPORS MAY FORM FLAMMABLE/EXPLOSIVE  
MIXTURES W/AIR. VAPOR/GAS MAY SPREAD TO DISTANT IGNIT  
ION SOURCES &  
FLASHBACK. CONTAINERS MAY EXPLODE IN HEAT OF FIRE.

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

Spill Release Procedures:SHUT OFF IGNITION SOURCES. STOP LEAK SAFELY.  
WATER SPRAY MAY REDUCE VAPOR IN CLOSED SPACES. SMALL: TAKE UP  
W/SAND/OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL & PLACE INTO  
CONTAINERS FOR LATER DISPOSAL. LA RGE: DIKE FAR AHEAD OF LIQUID FOR  
LATERDISPOSAL.

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

Handling and Storage Precautions:STORE GASOLINE ONLY IN APPROVED,  
CLEARLY LABELED CONTAINERS. NEVER STORE IN GLASS/UNAPPROVED PLASTIC  
CONTAINERS. STORE IN TIGHTLY CLOSED CONTAINERS.  
Other Precautions:STORE IN A COOL, DRY ISOLATED, WELL VENTILATED AREA  
AWAY FROM HEAT. GROUND LINES & EQUIPMENT USED DURING TRANSFER TO  
REDUCE STATIC SPARK, FIRE/EXPLOSION. KEEP OUT OF REACH OF CHILDREN.  
DON'T SIPHON PR ODUCT BY MOUTH. (SEE SUPP)

===== Exposure Controls/Personal Protectio

n =====

Respiratory Protection:USE NIOSH APPROVED RESPIRATORY PROTECTION SHOULD BE WORN. RESPIRATORY PROTECTION MAY BE NEEDED FOR NON-ROUTINE/EMERGENCY SITUATIONS.

Ventilation:VENTILATION & OTHER FORMS OF CONTROLS ARE PREFERRED FOR CONTROLLING CHEMICAL EXPOSURES.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES/CHEMICAL GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS

BEFORE EATING, DRINKING, SMOKING/USING TOILET FACILITIES.

Supplemental Safety and Health

USE GOOD PERSONAL HYGIENE PRACTICES. SHOWER AFTER WORK USING SOAP & WATER. FIRST AID: OBTAIN MEDICAL ATTENTION IN ALL CASES. PREC:

DON'T USE FOR CLEANING, PRESSURE APPLIANCE FUEL. EMPTY CONTAINERS MAY CONTAIN TOXIC, FLAMMABLE/COMBUSTIBLE/EXPLOSIVE RESIDUE/VAPORS. DON'T CUT/GRIND/DRILL/WELD, REUSE/DISPOSE CONTAINERS.

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

B

Boiling Pt:B.P. Text:80-440F

Vapor Pres:760

Vapor Density:1.2

Spec Gravity:0.72-0.74

Evaporation Rate & Reference:(WATER = 1): >1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR LIQUID W/A STRONG HYDROCARBON ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS & ALKALI METALS, STRONG ACIDS/BASES.

Stability Condition to Avoid:HEAT, SOURCES OF IGNITION

Hazardous Decomposition

Products:CO, CO2, HYDROCARBONS

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

Waste Disposal Methods:THE TRANSPORTATION, STORAGE, TREATMENT & DISPOSAL OF THIS WASTE IAW/FEDERAL, STATE & LOCAL REGULATIONS. FLAMMABLE LIQUID UN1203.

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