

## **MID-GRADE, UNLEADED GASOLINE**

### **MSDS Number**

BNBBJ

### **National Stock Number**

9130-01-208-4172

### **Product Name**

MID-GRADE, UNLEADED GASOLINE

### **Manufacturer**

MARATHON OIL CO

### **Product Identification**

Product ID:MID-GRADE, UNLEADED GASOLINE

MSDS Date:12/19/1988

FSC:9130

NIIN:01-208-4172

MSDS Number: BNBBJ

### **Responsible Party**

MARATHON OIL CO

539 SOUTH MAIN STREET

FINDLEY , OH 45840-3229

US

Emergency Phone: 419-422-2121, CHEMTREC 800-424-9300

Info Phone: 419-422-2121

Preparer: CRAIG PARKER

Cage: 16106

### **Contractor**

MARATHON OIL CO

FINDLEY, OH 45840-3229

US

419-422-2121, CHEMTREC 800-424-9300

Cage: 16106

### **Ingredients**

HYDROCARBONS (SATURATED=55-70, AND UNSTURATED=1.0-10.0)

Fraction By Weight: 56-80% %

BENZENE (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight: .5-3.5%

OSHA PEL1PPM/5STEL;1910.1028

ACGIH TLV: 10 PPM; A2; 9192

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

AROMATIC HYDROCARBONS

CAS: 70995-17-8

Fraction By Weight: 20-40%

ETHYL BENZENE (SARA III)

CAS: 100-41-4

RTECS: DA0700000

Fraction By Weight: 1 - 3%

OSHA PEL100 PPM/125 STEL

ACGIH TLV: 100 PPM/125STEL 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

1,2,4-TRIMETHYLBENZENE

CAS: 95-63-6

RTECS: DC3325000

Fraction By Weight: 2 - 5%

OSHA PEL100 PPM/125 STEL

ACGIH TLV: 100 PPM/125STEL 9192

TOLUENE (SARA III)

CAS: 108-88-3

RTECS: XS5250000

Fraction By Weight: 3 - 15%

OSHA PEL200 PPM/150 STEL

ACGIH TLV: 50 PPM; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

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

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 5 - 15%

OSHA PEL100 PPM/150 STEL

ACGIH TLV: 100 PPM/150STEL;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: .01-15%

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

BENZENE (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight: .5-3.5%

OSHA PEL1PPM/5STEL;1910.1028

ACGIH TLV: 10 PPM; A2; 9192

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:ACUTE-INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION, HEADACHE, NAUSEA, DIZZINESS, FATIGUE, NARCOSIS, UNCONSCIOUSNESS, ASPHYXIATION. EYE: IRRITATION. SKIN: DEFATTING, IRRITATION/ DERMATITIS. INGESTION: GI DISTURBANCES, NAUSEA, VOMITING. CHRONIC: DERMATITIS, PNEUMOTITIS, PULMONARY EDEMA, AND KIDNEY DAMAGE.

Explanation of Carcinogenicity:BENZENE IS LISTED AS A CARCINOGEN NTP, IARC, OSHA AND EPA.

Effects of Overexposure:OVEREXPOSURE MAY LEAD TO RESPIRATORY IRRITATION, NAUSEA, FATIGUE, DIZZINESS, HEADACHES, UNCONSCIOUSNESS, AND EYE IRRITATION.

Medical Cond Aggravated by Exposure:PERSONS WITH A SKIN DISORDER SHOULD USE CAUTION WHEN HANDLING OR USING THIS PRODUCT.

## First Aid

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

## Fire Fighting

Flash Point:<-50F,<-46C

Lower Limits:1.4%

Upper Limits:7.6%

Extinguishing Media:USE HALON, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. USE WATER FOG TO COOL SRROUNDING CONTAINERS.

Fire Fighting Procedures:FLASHBACK MAY OCCUR ALONG VAPOR TRAIL. AVOID USE OF SOLID WATER STREAMS. WATER MAY BE INEFFECTIVE IN EXTINGUISHING LOW FLASH POINT FIRES, USE TO COOL CONTAINERS

Unusual Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR AND MAY TRAVEL A CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK.

## Accidental Release

Spill Release Procedures:MINOR: ABSORB MATERIAL WITH CLAY, VERMICULITE, OR SIMILAR ABSORBENT MATERIAL. PLACE IN DISPOSAL CONTAINERS. MAJOR: DIKE & CONTAIN SPILL. ELIMINATE SOURCES OF IGNITION. SHUT OFF LEAKS. REMOVE LIQUID BY VACUUM OR ABSORBENT.

## Handling

Handling and Storage Precautions:STORE IN A COOL, VENTILATED WORK AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE. FLAMMABLE LIQUID; EMPTY CONTAINERS CAN BE HAZARDOUS.

Other Precautions:THE SELECTION OF PERSONAL PROTECTIVE EQUIPMENT SHOULD BE MADE BY THE MATERIAL USER BASED ON THE PARTICULAR CONDITIONS WHERE THE MATERIAL IS TO BE USED TOGETHER WITH INFORMATION CONTAINED IN THIS MSDS.

## Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED.

Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.

Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL

Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT.

WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

## Chemical Properties

HCC:F1

Boiling Pt:B.P. Text:90 - 437F

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

Vapor Pres:414-776MM

Vapor Density:3-4

Spec Gravity:0.71-0.77

Evaporation Rate & Reference:Solubility in Water:NEGLIGIBLE

Appearance and Odor:AMBER LIQUID WITH CHARACTERISTIC GASOLINE ODOR

Percent Volatiles by Volume:100 %

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

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

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES, AROMATIC HYDROCARBONS

## Disposal

Waste Disposal Methods:WASTE MAY BE BURNED IN AN APPROVED INCINERATOR OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.