

# **Material Safety Data Sheet**

MSDS ID NO.: 0130MAR019 Revision date: 07/20/2006 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name: Synonym: Chemical Family: Formula: Marathon Regular Unleaded Gasoline With Ethanol Regular Unleaded Gasoline With Alcohol Petroleum Hydrocarbon Mixture

Manufacturer: Marathon Petroleum Company LLC 539 South Main Street Findlay OH 45840

 Other information:
 419-421-3070

 Emergency telephone number:
 877-627-5463

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Gasoline is a complex combination of hydrocarbons consisting of paraffins, cycloparaffins, aromatic and olefinic hydrocarbons having carbon numbers predominantly greater than C3 and boiling in the range of 85-500 F. Can contain small amounts of dye and other additives (>0.02%) which are not considered hazardous at the concentrations used.

#### Product information:

	Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Ave	Other:
I	Marathon Regular Unleaded Gasoline With Ethanol	86290-81-5	100	=300 ppm TWA =500 ppm STEL		

#### **Component Information:**

Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Ave	Other:
Saturated Hydrocarbons	Mixture	50-77		Ŭ	
Aromatic Hydrocarbons	Mixture	9-36			
Toluene	108-88-3	0.9-13.5	= 50 ppm TWA skin - potential for cutaneous absorption	= 100 ppm TWA = 150 ppm STEL = 375 mg/m <sup>3</sup> TWA = 560 mg/m <sup>3</sup> STEL	
Unsaturated Hydrocarbons	Mixture	0.9-13.5		-	
Ethyl Alcohol	64-17-5	5.7-10	= 1000 ppm TWA	=1000 ppm TWA 1900 mg/m³ TWA	
Xylene	1330-20-7	1.8-9.0	= 100 ppm TWA = 150 ppm STEL	= 100 ppm TWA = 150 ppm STEL = 435 mg/m <sup>3</sup> TWA = 655 mg/m <sup>3</sup> STEL	
1,2,4-Trimethylbenzene	95-63-6	0.9-4.5	= 25 ppm TWA	= 125 mg/m³ TWA = 25 ppm TWA	
Benzene	71-43-2	0.45-3.2	= 0.5 ppm TWA = 2.5 ppm STEL skin - potential for cutaneous absorption	= 10 ppm TWA unless specified in 1910.1028 = 25 ppm Ceiling unless specified in 1910.1028 = 50 ppm STEL 10 min, unless specified in 1910.1028	OSHA Exposure Limit as specified in 1910.1028: =1.0 ppm TWA = 5 ppm STEL = 0.5 ppm Action Level
Hexane	110-54-3	0-2.7	= 1000 ppm STEL = 50 ppm TWA = 500 ppm TWA skin - potential for cutaneous absorption		
Ethyl Benzene	100-41-4	0.45-1.8	= 100 ppm TWA = 125 ppm STEL	= 100 ppm TWA = 125 ppm STEL = 435 mg/m <sup>3</sup> TWA = 545 mg/m <sup>3</sup> STEL	
Naphthalene	91-20-3	0.1-0.5	Skin - potential significant contribution to overall exposure by the cutaneous route = 10 ppm TWA = 15 ppm STEL	= 10 ppm TWA = 50 mg/m <sup>3</sup> TWA = 15 ppm STEL = 75 mg/m <sup>3</sup> STEL	

#### Notes:

The manufacturer has voluntarily elected to reflect exposure limits contained in OSHA's 1989 air contaminants standard in its MSDS's, even though certain of those exposure limits were vacated in 1992.

### **3. HAZARDS IDENTIFICATION**

### **EMERGENCY OVERVIEW**

GASOLINE IS A CLEAR OR COLORED LIQUID WITH A STRONG HYDROCARBON ODOR. IT IS A VOLATILE AND EXTREMELY FLAMMABLE LIQUID THAT MAY CAUSE FLASH FIRES. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. THIS PRODUCT CONTAINS BENZENE WHICH MAY CAUSE CANCER OR BE TOXIC TO BLOOD-FORMING ORGANS. CONTAINS MATERIAL THAT HAS CAUSED CANCER BASED ON ANIMAL DATA. NEVER SIPHON THIS PRODUCT BY MOUTH. IF SWALLOWED, THIS PRODUCT MAY GET SUCKED INTO THE LUNGS (ASPIRATED) AND CAUSE LUNG DAMAGE OR EVEN DEATH.

#### OSHA WARNING LABEL:

DANGER! EXTREMELY FLAMMABLE. ASPIRATION (INADVERTENT SUCTION) OF LIQUID INTO THE LUNGS CAN PRODUCE CHEMICAL PNEUMONIA OR EVEN DEATH. CONTAINS BENZENE WHICH MAY CAUSE CANCER OR BE TOXIC TO BLOOD-FORMING ORGANS. CONTAINS MATERIAL THAT HAS CAUSED CANCER BASED ON ANIMAL DATA.

CONSUMER WARNING LABEL:

#### GASOLINE HEALTH AND SAFETY WARNING STATEMENT:

#### EXTREMELY FLAMMABLE, VAPORS MAY EXPLODE. HARMFUL OR FATAL IF SWALLOWED. LONG TERM EXPOSURE TO VAPORS HAS CAUSED CANCER IN LABORATORY ANIMALS. KEEP FACE AWAY FROM NOZZLE WHILE FILLING. KEEP NOZZLE AWAY FROM EYES AND SKIN. NEVER SIPHON BY MOUTH. DON'T OVERFILL TANK. FOR USE AS A MOTOR FUEL ONLY.

#### STATIC ELECTRICITY, SPARK EXPLOSION, ELECTRONIC DEVICES WARNING:

#### DO NOT GET BACK IN YOUR VEHICLE WHILE REFUELING. RE-ENTRY COULD CAUSE STATIC ELECTRICITY BUILD UP. USE APPROVED CONTAINER. PUT CONTAINER ON GROUND (NEVER ON OR IN A VEHICLE). KEEP NOZZLE IN CONTACT WITH CONTAINER. KEEP CELLULAR PHONES OR OTHER DEVICES IN YOUR VEHICLE DURING REFUELING.

Inhalation:	
	Exposure to vapor concentrations of gasoline exceeding 1,000 ppm can cause respiratory irritation, headache, dizziness, nausea and loss of coordination. Higher concentrations may cause loss of consciousness, cardiac sensitization, coma and death resulting from respiratory failure. Intentional overexposure to high concentrations of product vapors (such as huffing) can cause nervous system and brain damage, convulsions and sudden death from cardiac arrest.
Ingestion:	Ingestion may result in nausea, vomiting, diarrhea and restlessness. Aspiration (inadvertent suction) of liquid into the lungs must be avoided as even small quantities in the lungs can produce chemical pneumonitis, pulmonary edema/hemorrhage and even death.
Skin contact:	Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and/or dermatitis.
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#### Carcinogenic Evaluation:

#### **Product information:**

Name	IARC Carcinogens:	NTP Carcinogens:	ACGIH - Carcinogens:	OSHA - Select Carcinogens:
Marathon Regular Unleaded	A2- Possible Human		A3 - Animal Carcinogen	
Gasoline With Ethanol	Carcinogen			
86290-81-5				

#### Notes:

The International Agency for Research on Cancer (IARC) has determined that there is inadequate evidence for the carcinogenicity of gasoline in humans. IARC determined that limited evidence of carcinogenicity in animals exists. IARC's overall evaluation of gasoline, in spite of limited carcinogenicity evidence, has resulted in the IARC designation of gasoline as possibly carcinogenic to humans (Group 2B) because gasoline contains benzene.

IARC has determined that there is inadequate evidence for the carcinogenicity of gasoline engine exhaust in humans or animals. However, IARC's overall evaluation on gasoline engine exhaust, in spite of the absence of carcinogenicity data, has resulted in the IARC designation of gasoline engine exhaust as possibly carcinogenic to humans (Group 2B) because of the presence of certain engine exhaust components.

#### **Component Information:**

Name	IARC	NTP	ACGIH -	OSHA - Select
	Carcinogens:	Carcinogens:	Carcinogens:	Carcinogens:
Toluene			A4 - Not Classifiable as a	
108-88-3			Human Carcinogen	
Ethyl Alcohol	A2-Possible Human		A4 - Not Classifiable as a	
64-17-5	Carcinogen		Human Carcinogen	
Xylene			A4 - Not Classifiable as a	
1330-20-7			Human Carcinogen	
Benzene	Supplement 7, 1987;	Known Carcinogen	A1 - Confirmed Human	Present
71-43-2	Monograph 29, 1982	Reasonably Anticipated To	Carcinogen	
		Be A Carcinogen		
Ethyl Benzene	Monograph 77, 2000		A3 - Animal Carcinogen	
100-41-4				
Naphthalene	Monograph 82, 2002	Reasonably Anticipated To	A4 - Not Classifiable as a	Present
91-20-3		Be A Carcinogen	Human Carcinogen	
		Listed		

#### Notes:

The International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), and OSHA have determined that there is sufficient evidence for the carcinogenicity of benzene in humans (Group 1A).

The International Agency for Reasearch on Cancer (IARC) has determined that there is sufficient evidence for the carcinogenicity of alcoholic beverages (ethanol) in humans (Group 1).

The International Agency for Research on Cancer (IARC) has concluded that ethyl benzene is possibly carcinogenic to humans (Group 2B).

The International Agency for Research on Cancer (IARC) and the Environmental Protection Agency (EPA) have determined that naphthalene could be a possible human carcinogen.

### 4. FIRST AID MEASURES

Inhalation:	If affected, move person to fresh air. If breathing is difficult, administer oxygen. If not breathing or if no heartbeat, give artificial respiration or cardiopulmonary resuscitation (CPR). Immediately call a physician. If symptoms or irritation occur with any exposure, call a physician.
Skin contact:	Wash with soap and large amounts of water. Remove contaminated clothing. If symptoms or irritation occur, call a physician.
Ingestion:	If swallowed, do not induce vomiting and do not give liquids. Immediately call a physician.
Eye contact:	Flush eyes with large amounts of tepid water for at least 15 minutes. If symptoms or irritation occur, call a physician.
Medical conditions aggravated by exposure:	Pre-existing eye, skin, respiratory, liver and/or kidney disorders may be aggravated by exposure to components of this product.

# **5. FIRE FIGHTING MEASURES**

Suitable extinguishing media: Specific hazards: Special protective equipment for firefighters:	For small fires, Class B fire extinguishing media such as CO2, dry chemical, foam (AFFF/ATC) or water spray can be used. For large fires, water spray, fog or foam (AFFT/ATC) can be used. Fire fighting should be attempted only by those who are adequately trained and equipped with proper protective equipment. This product has been determined to be a flammable liquid per the OSHA Hazard Communication Standard, and should be handled accordingly. Vapors may travel along the ground or be moved by ventilation and ignited by many sources such as pilot lights, sparks, electric motors, static discharge, or other ignition sources at locations distant from material handling. Flashback can occur along vapor trail. For additional fire related information, see NFPA 30 or the North American Emergency Response Guide 128. Avoid using straight water streams. Water may be ineffective in extinguishing low flash point fires, but can be used to cool exposed surfaces. Avoid excessive water spray application. Water spray and foam (AFFF/ATC) must be applied carefully to avoid frothing and from as far a distance as possible. Keep run-off water out of sewers and water sources.
Flash point: Autoignition temperature: Flammable limits in air - lower (%): Flammable limits in air - upper (%):	-50 F C.A. 495 F 1.4 7.6
NFPA rating: Health: 1 Flammability: 3 Reactivity: 0 Other: -	HMIS classification: Health: 1 Flammability: 3 Reactivity: 0 Special: *See Section 8 for guidance in selection of personal protective equipment.

# 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** 

Keep public away. Isolate and evacuate area. Shut off source if safe to do so. Eliminate all ignition sources. Advise authorities and National Response Center (800-424-8802) if substance has entered a watercourse or sewer. Notify local health and pollution control agencies, if appropriate. Contain liquid with sand or soil. Recover and return free product to proper containers. Use suitable absorbent materials such as vermiculite, sand, or clay to clean up residual liquids.

# 7. HANDLING AND STORAGE

#### Handling:

Comply with all applicable EPA, OSHA, NFPA and consistent state and local requirements. Use appropriate grounding and bonding practices. Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. Do not cut, drill, grind or weld on empty containers since they may contain explosive residues. Avoid skin contact. Exercise good personal hygiene including removal of soiled clothing and prompt washing with soap and water.

For use as a motor fuel only. Product should never be used as a solvent due to its flammable and potentially toxic properties. Siphoning by mouth can result in lung aspiration which can be harmful or fatal.

Portable containers of 12 gallons (45 liters) or less should never be filled while they are in or on a motor vehicle or marine craft. Static electric discharge can ignite fuel vapors when filling non-grounded containers or vehicles on trailers. Containers should be placed on the ground. The nozzle spout must be kept in contact with the container before and during the entire filling operation. Use only approved containers. A buildup of static electricity can occur upon re-entry into a vehicle during fueling especially in cold or dry climate conditions. The charge is generated by the action of dissimilar fabrics (i.e., clothing and upholstery) rubbing across each other as a person enters/exits the vehicle. A flash fire can result from this discharge if sufficient flammable vapors are present. Therefore, do not get back in your vehicle while refueling. Cellular phones and other electronic devices may have the potential to emit electrical charges (sparks). Sparks in potentially explosive atmospheres (including fueling areas such as gas stations) could cause an explosion if sufficient flammable vapors are present. Therefore, devices when working in potentially explosive atmospheres or keep devices inside your vehicle during refueling.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### PERSONAL PROTECTIVE EQUIPMENT

Engineering measures:	Local or general exhaust required in an enclosed area or when there is inadequate ventilation.		
Respiratory protection:	Approved organic vapor chemical cartridge or supplied air respirators should be worn for exposures to any components exceeding the TLV or STEL. Observe respirator protection factor criteria cited in ANSI Z88.2. Self-contained breathing apparatus should be used for fire fighting.		
Skin and body protection:	Use nitrile rubber, viton or PVA gloves for repeated or prolonged skin exposure.		
Eye protection:	No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields.		
Hygiene measures:	No special protective clothing is normally required. Select protective clothing depending on industrial operations. Use mechanical ventilation equipment that is explosion-proof.		

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Physical state (Solid/Liquid/Gas): Substance type (Pure/Mixture): Color: MSDS ID NO.: 0130MAR019 Clear Or Colored Liquid Liquid Mixture Clear or Colored Product name: Marathon Regular Unleaded Gasoline With Ethanol

Odor:
Molecular weight:
pH:
Boiling point/range (5-95%):
Melting point/range:
Decomposition temperature:
Specific gravity:
Density:
Bulk density:
Vapor density:
Vapor pressure:
Evaporation rate:
Solubility:
Solubility in other solvents:
Partition coefficient (n-octanol/water):
VOC content(%):
Viscosity:

Strong Hydrocarbon 100 Neutral 90-437 F No disponable. Not applicable. 0.70-0.77 5.9-6.3 lbs/gal No data available. 3-4 403-776 mm Hg @ 100 F No data available. Negligible No data available. 2.13-4.5 100% No data available.

# **10. STABILITY AND REACTIVITY**

Stability:

**Polymerization:** 

Hazardous decomposition products:

Materials to avoid:

Conditions to avoid:

The material is stable at 70 F, 760 mm pressure.

Will not occur.

Combustion produces carbon monoxide, aldehydes, aromatic and other hydrocarbons.

Strong oxidizers such as nitrates, perchlorates, chlorine, fluorine.

Excessive heat, sources of ignition, open flame.

# **11. TOXICOLOGICAL INFORMATION**

#### Acute toxicity:

#### **Product information:**

Name	CAS Number	Inhalation:	Dermal:	Oral:
Marathon Regular Unleaded Gasoline With Ethanol	86290-81-5	>10,000 ppm [Dog]	>5 ml/kg [Rabbit]	>14 ml/kg [Rat]

Lifetime inhalation studies with full vaporized gasoline (67, 292 and 2,056 ppm) produced kidney damage and kidney tumors in male rats but not in female rats or male and female mice. Female mice developed a slightly higher incidence of liver tumors compared to controls at the highest exposure level. Results from separate studies with compounds producing similar effects, i.e., 1,4-dichlorobenzene and perchloroethylene, have shown that the kidney damage and kidney tumors develop via the formation of alpha-2u-globulin, a mechanism unique to the male rat. Humans do not form alpha-2u-globulin, therefore, tumors resulting from this mechanism are not relevant in humans. The biologic significance of the mouse liver tumor response with regard to human health risk is questionable.

Summary of health effect information on gasoline engine exhaust:

Chronic inhalation studies of gasoline engine exhaust in mice, rats and hamsters did not produce any carcinogenic effects. Condensates/extracts of gasoline engine exhaust produced an increase in tumors compared to controls when testing by skin painting, subcutaneous injection, intratracheal instillation or implantation into the lungs. Combustion of gasoline produces gases and particulates which include carbon monoxide, carbon dioxide, oxides of nitrogen and/or sulfur and hydrocarbons. Significant exposure to carbon monoxide vapors decreases the oxygen carrying capacity of the blood and may cause tissue hypoxia via formation of carboxyhemoglobin. Overexposure to CO can cause headache, nausea, nervous system depression, coma and death.

Summary of health effect data on gasoline components:

This product contains benzene at a level of >0.1%. Repeated or prolonged exposure to benzene at concentrations in excess of the TLV may cause serious injury to blood-forming organs. Significant chronic exposure to benzene vapor has been reported to produce various blood disorders ranging from anemia to certain forms of leukemia (cancer) in man. Benzene produced tumors in rats and mice in lifetime chronic toxicity studies, but the response has not been consistent across species, strain, sex or route of exposure. Animal studies on benzene have demonstrated immune toxicity, chromosomal aberrations, testicular effects and alterations in reproductive cycles and embryo/fetotoxicity, but not teratogenicity.

This product contains >0.1% ethyl benzene (EB). Rats and mice exposed to 750 ppm EB for 6 hours/day, 5 days/week for two years developed kidney tumors in male and femmale rats and lung tumors in male mice and liver tumor in female mice.

This product may contain ethanol or ethyl alcohol at a concentration of >0.1% Intentional abuse, misuse or other massive exposure to ethanol may result in multiple organ damage and/or death. Chronic ingestion of large amounts of ethanol can cause cancer and damage to the liver, kidney, heart, brain, nervous system and stomach. Ethyl alcohol ingestion during pregnancy can adversely affect the unborn child. Studies in laboratory animals involving prolonged and repeated exposures have resulted in such effects as embryotoxicity, immunotoxicity and teratogenicity. Mutagenic effects have been reported in both in vitro and in vivo systems but usually at high dosages.

This product contains>0.1% naphthalene. Exposure to naphthalene at 30 ppm for two years caused lung tumors in female mice. Male mice with the same exposure did not develop tumors. Exposure to 10-60 ppm naphthalene for 2 years caused tumors in the tissue lining of the nose and respiratory tract in male and female rats. Oral administration of 133-267 mg/kg/day of naphthalene in mice for up to 90 days did not produce mortality, systemic toxicity, adversely affect organ or body weight or produce changes in blood. Repeated oral administration of naphthalene produced an anemia in dogs. Repeated intraperitoneal doses of naphthalene produced lung damage in mice. Repeated high doses of naphthalene has caused the formation of cataracts and retinotoxicity in the eyes of rats and rabbits due to accumulation of 1,2-naphthoquinone, a toxic metabolite. Effects in human eyes is uncertain and not well documented. Pregnant rats administered intraperitoneal doses of naphthalene during gestation gave birth to offspring that had delayed heart and bone development. Pregnant mice given near lethal doses of naphthalene showed no significant maternal toxicity and a reduction in the number of pups per litter, but no gross abnormalities in offspring. Suppressed spermatogenesis and progeny development have been reported in mice, rats and guinea pigs after exposure to high concentrations of naphthalene in their drinking water. Certain groups or individuals, i.e., infants, Semites, Arabs, Asians and Blacks, with a certain blood enzyme deficiency (glucose-6-phosphate dehydrogenase) are particularly susceptible to hemolytic agents and can rapidly develop hemolytic anemia and systemic poisoning from ingestion or inhalation of naphthalene.

This product may contain hexane at a level of >1.0%. Studies in laboratory animals have produced systemic toxicity in blood, spleen and lungs. Fetotoxicity has been observed at hexane concentrations that produced maternal toxicity. Long term exposure to high concentrations of hexane has been shown to cause testicular effects and nervous system damage.

## **12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects:** 

Product can cause fouling of shoreline and may be harmful to aquatic life in low concentrations. This product does not concentrate or accumulate in the food chain.

The aquatic toxicity of gasoline is as follows:

FreshwaterToxicity: LD50 is 8 ppm at 96 hours in bluegill. TLM is 90 ppm at 24 hours in juvenile shad.

SaltwaterToxicity: LC50 is 2 ppm at 96 hours in mullet. LD50 is 1.5 ppm at 96 hours in grass shrimp. LC50 is 2 ppm at 96 hours in menhaden. TLM is 91 ppm at 24 hours in juvenile shad.

### **13. DISPOSAL CONSIDERATIONS**

**Cleanup Considerations:** 

This product as produced is not specifically listed as an EPA RCRA hazardous waste according to federal regulations (40 CFR 261). However, when discarded or disposed of, it may meet the criteria of an "characteristic" hazardous waste. This product could also contain benzene at >0.5 ppm and could exhibit the characteristics of "toxicity" as determined by the toxicity characteristic leaching procedure (TCLP). This material could become a hazardous waste if mixed or contaminated with a hazardous waste or other substance(s). It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations.

### **14. TRANSPORT INFORMATION**

#### 49 CFR 172.101:

#### DOT:

**Transport Information:** 

This material when transported via US commerce would be regulated by DOT Regulations.

Proper shipping name:	Gasoline
UN/Identification No:	UN 1203
Hazard Class:	3
Packing group:	II
DOT reportable quantity (Ibs):	Not applicable.
TDG (Canada): Proper shipping name: UN/Identification No: Hazard Class: Packing group: Regulated substances:	Gasoline UN 1203 3 II Not applicable.

### **15. REGULATORY INFORMATION**

#### **Federal Regulatory Information:**

MSDS ID NO.: 0130MAR019

US TSCA Chemical Inventory Section 8(b):

OSHA Hazard Communication Standard:

This product and/or its components are listed on the TSCA Chemical Inventory.

This product has been evaluated and determined to be hazardous as defined in OSHA's Hazard Communication Standard.

#### EPA Superfund Amendment & Reauthorization Act (SARA):

SARA Section 302:

This product contains the following component(s) that have been listed on EPA's Extremely Hazardous Substance (EHS) List:

Name	CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs		
Saturated Hydrocarbons	NA		
Aromatic Hydrocarbons	ΝΑ		
Toluene	NA		
Unsaturated Hydrocarbons	NA		
Ethyl Alcohol	NA		
Xylene	ΝΑ		
1,2,4-Trimethylbenzene	NA		
Benzene	NA		
Hexane	NA		
Ethyl Benzene	NA		
Naphthalene	NA		

#### SARA Section 304:

This product contains the following component(s) identified either as an EHS or a CERCLA Hazardous substance which in case of a spill or release may be subject to SARA reporting requirements:

Name	CERCLA/SARA - Hazardous Substances and their Reportable Quantities	
Saturated Hydrocarbons	NA	
Aromatic Hydrocarbons	NA	
Toluene	= 0.454 kg final RQ	
	= 1 lb final RQ	
	= 10 lb final RQ	
	= 100 lb final RQ	
	= 1000 lb final RQ	
	= 4.54 kg final RQ	
	= 45.4 kg final RQ	
	= 454 kg final RQ	
Unsaturated Hydrocarbons	NA	
Ethyl Alcohol	NA	
Xylene	= 100 lb final RQ	
	= 45.4 kg final RQ	
1,2,4-Trimethylbenzene	NA	
Benzene	= 0.454 kg final RQ	
	= 0.454 kg statutory RQ	
	= 1 lb final RQ	
	= 1 lb statutory RQ	
	= 10 lb final RQ	
	= 10 lb final RQ receives an adjustable RQ of 10 lbs based on potential carcinogenicity in August 14, 1989 final	
	rule	
	= 100 lb final RQ	
	= 4.54 kg final RQ	
	= 4.54 kg final RQ receives an adjustable RQ of 10 lbs based on potential carcinogenicity in August 14, 1989	
	final rule	
	= 45.4 kg final RQ	
Hexane	= 2270 kg final RQ	
	= 5000 lb final RQ	
Ethyl Benzene	= 100 lb final RQ	
	= 1000 lb final RQ	
	= 45.4 kg final RQ	
	= 454 kg final RQ	
Naphthalene	= 0.454 kg final RQ	
	= 1 lb final RQ	
	= 100 lb final RQ	
	= 45.4 kg final RQ	

The following EPA hazard categories apply to this product:

Acute Health Hazard Chronic Health Hazard Fire Hazard

#### SARA Section 313:

This product contains the following component(s) that may be subject to reporting on the Toxic Release Inventory (TRI) From R:

Name	CERCLA/SARA 313 Emission reporting:	
Saturated Hydrocarbons	None	
Aromatic Hydrocarbons	None	
Toluene	= 1.0 percent de minimis concentration	
Unsaturated Hydrocarbons	None	
Ethyl Alcohol	None	
Xylene	= 1.0 percent de minimis concentration	
1,2,4-Trimethylbenzene	= 1.0 percent de minimis concentration	
Benzene	= 0.1 percent de minimis concentration	
Hexane	= 1.0 percent de minimis concentration	
Ethyl Benzene	= 0.1 percent de minimis concentration	
Naphthalene	= 0.1 % de minimis concentration	

#### State and Community Right-To-Know Regulations:

The following component(s) of this material are identified on the regulatory lists below:

Saturated Hydrocarbons				
Louisiana Right-To-Know:		Not Listed		
California Proposition 65:		Not Listed		
New Jersey Right-To-Know:		Not Listed.		
Pennsylvania Right-To-Know:		Not Listed.		
Massachusetts Right-To Know:		Not Listed.		
Florida substance List:		Not Listed.		
Rhode Island Right-To-Know:		Not Listed		
Michigan critical materials registe	er list:	Not Listed.		
Massachusetts Extraordinarily Ha		Not Listed		
California - Regulated Carcinoge	ns:	Not Listed		
Pennsylvania RTK - Special Haz Substances:		Not Listed		
	Substances	Not Listed		
New Jersey - Special Hazardous New Jersey - Environmental Haz		Not Listed		
Substances List:	aluous	NOT LISTED		
Illinois - Toxic Air Contaminants		Not Listed		
New York - Reporting of Release List of Hazardous Substances:	s Part 597 -	Not Listed		
Aromatic Hydrocarbons				
Louisiana Right-To-Know:		Not Listed		
California Proposition 65:		Not Listed		
New Jersey Right-To-Know:		Not Listed.		
Pennsylvania Right-To-Know:		Not Listed.		
Massachusetts Right-To Know:		Not Listed.		
Florida substance List:		Not Listed.		
Rhode Island Right-To-Know:		Not Listed		
Michigan critical materials registe	Michigan critical materials register list: Not Listed			
Massachusetts Extraordinarily Ha Substances:	azardous	Not Listed		
California - Regulated Carcinoge	ne:	Not Listed		
Pennsylvania RTK - Special Hazardous		Not Listed		
Substances:	aluous	NOT LISTED		
New Jersey - Special Hazardous	Substances:	Not Listed		
MSDS ID NO.: 0130MAR019	<b>Product name:</b> Marathor Gasoline With Ethanol	on Regular Unleaded		

New Jersey - Environmental Hazardous Substances List: Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -List of Hazardous Substances: Toluene Louisiana Right-To-Know: California Proposition 65: New Jersey Right-To-Know: Pennsylvania Right-To-Know: Massachusetts Right-To Know: Florida substance List: Rhode Island Right-To-Know: Michigan critical materials register list: Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: New Jersey - Environmental Hazardous Substances List: Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -List of Hazardous Substances: Unsaturated Hydrocarbons Louisiana Right-To-Know: California Proposition 65: New Jersey Right-To-Know: Pennsylvania Right-To-Know: Massachusetts Right-To Know: Florida substance List: Rhode Island Right-To-Know: Michigan critical materials register list: Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: New Jersey - Environmental Hazardous Substances List: Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -List of Hazardous Substances: Ethvl Alcohol Louisiana Right-To-Know: California Proposition 65: New Jersey Right-To-Know: Pennsylvania Right-To-Know: Massachusetts Right-To Know: Florida substance List: Rhode Island Right-To-Know: Michigan critical materials register list: Not Listed.

Not Listed Not Listed Not Listed developmental toxicity; initial date 1/1/91 sn 1866 environmental hazard Present Not Listed. Toxic, Flammable; skin Annual usage threshold = 100 pounds Not Listed Not Listed Not Listed flammable - third degree SN 1866 Present = 1 lb Land/Water RQ = 1,000 lbs Air RQ Not Listed Not Listed Not Listed. Not Listed. Not Listed. Not Listed. Not Listed Not Listed. Not Listed developmental toxicity (when in alcoholic beverages); initial date 10/1/87 sn 0844 Present Teratogen Not Listed.

Not Listed

Toxic, Flammable

Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: New Jersey - Environmental Hazardous Substances List: Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -List of Hazardous Substances: **Xylene** Louisiana Right-To-Know: California Proposition 65: New Jersey Right-To-Know: Pennsylvania Right-To-Know: Massachusetts Right-To Know: Florida substance List: Rhode Island Right-To-Know: Michigan critical materials register list: Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: New Jersey - Environmental Hazardous Substances List: Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -List of Hazardous Substances: 1,2,4-Trimethylbenzene Louisiana Right-To-Know: California Proposition 65: New Jersey Right-To-Know: Pennsylvania Right-To-Know: Massachusetts Right-To Know: Florida substance List: Rhode Island Right-To-Know: Michigan critical materials register list: Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: New Jersey - Environmental Hazardous Substances List: Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -List of Hazardous Substances: Benzene Louisiana Right-To-Know: Not Listed

Not Listed Not Listed Not Listed flammable - third degree Not Listed Not Listed Not Listed Not Listed Not Listed sn 2014 environmental hazard Present Not Listed. Toxic, Flammable Annual usage threshold = 100 pounds (all isomers) Not Listed Not Listed Not Listed flammable - third degree SN 2014 Present = 1 lb Land/Water RQ = 1,000 lbs Air RQ Not Listed Not Listed sn 1929 sn 2716 [present] environmental hazard Present Not Listed. Toxic Not Listed. Not Listed Not Listed Not Listed Not Listed SN 2716 Present Not Listed

**Product name:** Marathon Regular Unleaded Gasoline With Ethanol

New Jersey Right-To-Know: Pennsylvania Right-To-Know: Massachusetts Right-To Know: Florida substance List: Rhode Island Right-To-Know: Michigan critical materials register list: Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: New Jersey - Environmental Hazardous Substances List: Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -List of Hazardous Substances: Hexane Louisiana Right-To-Know: California Proposition 65: New Jersey Right-To-Know: Pennsylvania Right-To-Know: Massachusetts Right-To Know: Florida substance List: Rhode Island Right-To-Know: Michigan critical materials register list: Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: New Jersey - Environmental Hazardous Substances List: Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -List of Hazardous Substances: Ethyl Benzene Louisiana Right-To-Know: California Proposition 65: New Jersey Right-To-Know: Pennsylvania Right-To-Know: Massachusetts Right-To Know: Florida substance List: Rhode Island Right-To-Know: Michigan critical materials register list: Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Not Listed Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances:

carcinogen; initial date 2/27/87 developmental toxicity; initial date 12/26/97 male reproductive toxicity; initial date 12/26/97 sn 0197 environmental hazard; special hazardous substance Carcinogen; Extraordinarily hazardous Not Listed. Toxic, Flammable, Carcinogen; skin Annual usage threshold = 100 pounds carcinogen; extraordinarily hazardous Not Listed [present] carcinogen; flammable - third degree; mutagen SN 0197 Present = 1 lb Land/Water RQ = 10 lbs Air RQ Not Listed Not Listed Not Listed. Not Listed. Not Listed. Not Listed. Not Listed Not Listed. Not Listed sn 0851 environmental hazard Present Not Listed. Toxic, Flammable Not Listed. Not Listed

Not Listed

flammable - third degree

New Jersey - Environmental Hazardous Substances List:	SN 0851
Illinois - Toxic Air Contaminants	Present
New York - Reporting of Releases Part 597 -	= 1 lb Land/Water RQ
List of Hazardous Substances:	= 1,000 lbs Air RQ
Naphthalene	
Louisiana Right-To-Know:	Not Listed
California Proposition 65:	Listed
New Jersey Right-To-Know:	Listed
Pennsylvania Right-To-Know:	Listed
Massachusetts Right-To Know:	Listed
Florida substance List:	Not Listed.
Rhode Island Right-To-Know:	Listed
Michigan critical materials register list:	Not Listed.
Massachusetts Extraordinarily Hazardous	Not Listed
Substances:	
California - Regulated Carcinogens:	Not Listed
Pennsylvania RTK - Special Hazardous	Not Listed
Substances:	
New Jersey - Special Hazardous Substances:	Not Listed
New Jersey - Environmental Hazardous	Listed
Substances List:	
Illinois - Toxic Air Contaminants	Listed
New York - Reporting of Releases Part 597 -	Listed
List of Hazardous Substances:	

#### **Canadian Regulatory Information:**

Canada DSL/NDSL Inventory:

This product and/or its components are listed either on the Domestic Substances List (DSL) or are exempt.

Name	Canada - WHMIS: Classifications of Substances:	Canada - WHMIS: Ingredient Disclosure:
Toluene	B2; D2A	1% (English Item 1578, French Item 1622)
Ethyl Alcohol	B2; D2B	0.1% (English Item 684, French Item 805)
Xylene	B2; D2A; D2B	
1,2,4-Trimethylbenzene	B3	0.1% (English Item 1640, French Item 1684)
		1% (English Item 1638, French Item 1682)
Benzene	B2; D2A	0.1% (English Item 153, French Item 277)
Ethyl Benzene	B2; D2A; D2B	0.1% (English Item 697, French Item 854)
Naphthalene	B4, D2A	1 %

## **16. OTHER INFORMATION**

**Additional Information:** 

No data available.

Prepared by:

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### End of Safety Data Sheet