Nov. 25. 2013 9:52AM Van Manen Petroleum	No. 1681	Ρ.
0-305 Lake Michigan Drive Grand Rapids, Mi. 49534 616-433-9653 jeffk@vanmanen.com	Van Manen Petroleum	
Fax		

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Holland Schools	From: Jeff	·····
616-396-1192	Pages: 27	
1	Date: 11-25-2	2013
SDS for Gas and Diesel	cci	
	616-396-1192	Figure 11-25-2

Good Morning, Here are the SDS sheets for both gasoline and ultra low diesel fuel. If there is anything else i can do please let me know. I have inserted a blank piece of paper to separate the two.

Jeff

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Material Safety Data Sheet

MSDS ID NO.:	0279MAR019
Revision date:	12/07/2010
1.	CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name: Synonym:	Marathon No. 2 Low Sulfur Diesel Dyed 500 ppm Sulfur Max Diesel No. 2 Dyed 500 ppm Sulfur Max; No. 2 Diesel, Non-Road Use, Dyed; No. 2 Diesel Dyed 500 ppm Sulfur Max; No. 2 NR 500 Diesel Dyed; No. 2 Diesel Dyed (0.05% Sulfur Max)
Chemical Family:	Petroleum Hydrocarbon
Formula:	Mixture
Manufacturer: Marathon Petroleum Company LP 539 South Main Street	

Other information:419-421-3070Emergency telephone number:877-627-5463

2. COMPOSITION/INFORMATION ON INGREDIENTS

No. 2 Diesel is a complex mixture of parafffins, cycloparaffins, olefins, and aromatic hydrocarbons having hydrocarbon chain lengths predominately in the range of C11 through C20. May contain a trace amount of benzene (<0.01%). Can contain small amounts of red dye and additives (<0.15%) which are not considered hazardous at the concentrations used.

Note: May contain up to 5% Renewable Diesel, CASN 928771-01-1.

Product information:

Findlay OH 45840

Name	CAS Number	Weight %	ACGIH Exposure Límits:	OSHA - Vacated PELs - Time Weighted Ave	Other:
Marathon No. 2 Diesel	68476-30-2	100	Skin - potential significant contribution to overall exposure by the cutaneous route 100 mg/m³ TWA		

Component Information:

Namə	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Ave	Other:
Saturated Hydrocarbons	Mixture	54-85			

Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Ave	Öther:
Aromatic Hydrocarbons	Mixture	15-45			
Unsaturated Hydrocarbons	Mixture	1-6			
Naphthalene	91-20-3	0.01-0.5	Skin - potential significant contribution to overall exposure by the cutaneous route 10 ppm TWA 15 ppm STEL	= 10 ppm TWA = 50 mg/m³ TWA = 15 ppm STEL = 75 mg/m³ 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.

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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION!

VAPORS, FUMES, OR MISTS MAY CAUSE RESPIRATORY TRACT IRRITATION MAY BE HARMFUL OR FATAL IF SWALLOWED MAY CAUSE LUNG DAMAGE OVEREXPOSURE MAY CAUSE CNS DEPRESSION

MAY CAUSE CANCER BASED ON ANIMAL DATA SEE TOXICOLOGICAL INFORMATION SECTION FOR MORE INFORMATION

COMBUSTIBLE LIQUID AND VAPOR VAPOR MAY CAUSE FLASH FIRE MATERIAL MAY ACCUMULATE STATIC CHARGE

STABLE

Inhalation:

Breathing high concentrations may be harmful.

May cause central nervous system depression or effects. Symptoms may include headache, excitation, euphoria, dizziness, incoordination, drowsiness, light-headedness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death, depending on the concentration and duration of exposure. Overexposure to this material may cause systemic damage including target organ effects listed under "Toxicological Information."

Ingestion:

Swallowing this material may be harmful.

May cause irritation of the mouth, throat and gastrointestinal tract. Symptoms may include salivation, pain, nausea, vomiting and diarrhea.

Aspiration into lungs may cause chemical pneumonia and lung damage. Exposure may also cause central nervous system symptoms similar to those listed under "Inhalation" (see Inhalation section).

Skin contact:

Contact may cause reddening, itching and inflammation. Effects may become more serious with repeated or prolonged contact. Skin contact may cause harmful effects in other parts of the body.

Eye contact:

Contact may cause pain and severe reddening and inflammation of the conjunctiva. Effects may become more serious with repeated or prolonged contact.

Carcinogenic Evaluation:

Product information:

. Name	IARC	NTP	ACGIH -	OSHA - Select
	Carcinogens:	Carcinogens:	Carcinogens:	Carcinogens:
Marathon No. 2 Diesel 68476-30-2	NE			

Notes:

The International Agency for Research on Cancer (IARC) has determined that there is inadequate evidence for the carcinogenicity of diesel fuel/fuel oil in humans. IARC determined that there was limited evidence for the carcinogenicity of marine diesel fuel in animals. Distillate (light) diesel fuels were not classifiable as to their carcinogenicity to humans (Group 3A).

IARC has determined that there is sufficient evidence for the carcinogenicity in experimental animals of diesel engine exhaust and extracts of diesel engine exhaust particles. IARC determined that there is only limited evidence for the carcinogenicity in humans of diesel engine exhaust. However, IARC's overall evaluation has resulted in the IARC designation of diesel engine exhaust as probably carcinogenic to humans (Group 2A) because of the presence of certain engine exhaust components.

The International Agency for Research on Cancer (IARC) has also determined that there is sufficient evidence for the carcinogenicity in experimental animals of light and heavy vacuum distillates, of light and heavy catalytically cracked distillates and of cracked residues (including heavy thermocracked distillates/residues) derived from the refining of crude oil.

Component Information:

Name	IARC	NTP	ACGIH -	OSHA - Select
	Carcinogens:	Carcinogens:	Carcinogens:	Carcinogens:
Naphthatene 91-20-3	Monograph 82 [2002]	Reasonably Anticipated To Be A Human Carcinogen male rat-clear evidence; female rat-clear evidence; male mice-no evidence; female mice-some evidence	Human Carcinogen	Present

Notes:

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

Product name: Marathon No. 2 Low Sulfur Diesel Dyed 500 ppm Sulfur Max

A FIRST AID MEASURES

Eye Contact: Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. GET IMMEDIATE MEDICAL ATTENTION. Skin Contact: Immediately wash exposed skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation persists. Place contaminated clothing in closed container until cleaned or discarded. If clothing is to be laundered, inform the person performing the operation of contaminant's hazardous properties. Ingestion: Do not induce vomiting. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Never give anything by mouth to an unconscious person. Keep affected person warm and at rest, GET IMMEDIATE MEDICAL ATTENTION. Inhalation: Remove to fresh air. If not breathing, institute rescue breathing. If breathing is difficult, ensure airway is clear and give oxygen. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). Keep affected person warm and at rest. GET IMMEDIATE MEDICAL ATTENTION. NOTES TO PHYSICIAN: INGESTION: If ingested this material represents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. **Medical Conditions** Aggravated By Exposure: skin,

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	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 (AFFF/ATC) can be used. Fire fighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.
Specific hazards:	This product has been determined to be a combustible liquid per the OSHA Hazard Communication Standard and should be handled accordingly. For additional fire related information, see NFPA 30 or the North American Emergency Response Guide 128.
Special protective equipment for firefighters:	Avoid using straight water streams. Water spray and foam (AFFF/ATC) must be applied carefully to avoid frothing and from as far a distance as possible. Avoid excessive water spray application. Keep surrounding area cool with water spray from a distance and prevent further ignition of combustible material. Keep run-off water out of sewers and water sources.
Flash point: Autolgnition temperature: Flammable limits in air - lower (%):	130-190 F 637 F 0.7

Product name: Marathon No. 2 Low Sulfur Diesel Dyed 500 ppm Sulfur Max

MSDS ID NO .: 0279MAR019

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5. FIRE FIGHTING MEASURES

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Flammable limits in air - upper (%):

NFPA rating:

Health: 1 Flammability: 2 Instability: 1 Other: -

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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 the product has entered a water course 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 repeated and prolonged skin contact. Never siphon this product by mouth. Exercise good personal hygiene including removal of soiled clothing and prompt washing with soap and water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Engineering measures:	Local or general exhaust required when using at elevated temperatures that generate vapors or mists.
Respiratory protection:	Use approved organic vapor chemical cartridge or supplied air respirators when material produces vapors that exceed permissible limits or excessive vapors are generated. Observe respirator assigned protection factors (APFs) criteria cited in federal OSHA 1910.134. Self-contained breathing apparatus should be used for fire fighting.
Skin and body protection:	Neoprene, nitrile, polyviny l alcohol (PVA), polyvinyl chloride and polyurethane gloves to prevent skin contact.
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:

Red Liquid

MSDS ID NO .: 0279MAR019

Product name: Marathon No. 2 Low Sulfur Diesel Dyed 500 ppm Sulfur Max Nov-25-2013 09:48 AM 1 616 453 113 8/29 Nov. 25. 2013 9:53AM Van Manen Petroleum

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9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state (Solid/Liquid/Gas): Substance type (Pure/Mixture): Color: Ödor: Molecular weight: pH: Boiling point/range (5-95%): Melting point/range: Decomposition temperature: Specific gravity: **Density: Bulk density:** Vapor density: Vapor pressure: Evaporation rate: Solublility: Solubility in other solvents: Partition coefficient (n-octanol/water): VOC content(%): Viscosity:

Liquid Mixture Red Slight Hydrocarbon 180 Neutral 400-640 F Not determined. Not applicable. C.A. 0.8 6.76 lbs/gal No data available. 4-5 1-10 mm Hg @ 100 F No data available. Negligible No data available. No data available. 10% 1.9-3.4 @ 40 C

10. STABILITY AND REACTIVITY

Stability:

Polymerization:

Hazardous decomposition products:

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.

Materials to avoid:

Conditions to avoid:

Excessive heat, sources of ignition and open flames.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Product information:

Name	CAS Number	Inhalation:	Dermal:	Oral:
Marathon No. 2 Diesel	68476-30-2	No data available	No data available	No data available

Toxicology Information:

MIDDLE DISTILLATES, PETROLEUM: Long-term repeated (lifetime) skin exposure to similar materials has been reported to result in an increase in skin tumors in laboratory rodents. The relevance of these findings to humans is not clear at this time.

MIDDLE DISTILLATES WITH CRACKED STOCKS: Light cracked distillates have been shown to be carcinogenic in animal tests and have tested positive with in vitro genotoxicity tests. Repeated dermal exposures to high concentrations in test animals resulted in reduced litter size and litter weight, and increased fetal resorptions at maternally toxic doses. Dermal exposure to high concentrations resulted in severe skin irritation with weight loss and some mortality. Inhalation exposure to high concentrations resulted in respiratory tract irritation, lung changes/infiltration/accumulation, and reduction in lung function.

ISOPARAFFINS: Studies in laboratory animals have shown that long-term exposure to similar materials (isoparaffins) can cause kidney damage and kidney cancer in male laboratory rats. However, in-depth research indicates that these findings are unique to the male rat, and that these effects are not relevant to humans.

NAPHTHALENE: Severe jaundice, neurotoxicity (kernicterus) and fatalities have been reported in young children and infants as a result of hemolytic anemia from overexposure to naphthalene. Persons with Glucose 6-phosphate dehydrogenase (G6PD) deficiency are more prone to the hemolytic effects of naphthalene. Adverse effects on the kidney have been reported in persons overexposed to naphthalene but these effects are believed to be a consequence of hemolytic anemia, and not a direct effect. Hemolytic anemia has been observed in laboratory animals exposed to naphthalene. Laboratory rodents exposed to naphthalene vapor for 2 years (lifetime studies) developed non-neoplastic and neoplastic tumors and inflammatory lesions of the nasal and respiratory tract. Cataracts and other adverse effects on the eye have been observed in laboratory animals exposed to high levels of naphthalene. Findings from a large number of bacterial and mammalian cell mutation assays have been negative. A few studies have shown chromosomal effects (elevated levels of Sister Chromatid Exchange or chromosomal aberrations) in vitro. Naphthalene has been classified as Possibly Carcinogenic to Humans (2B) by IARC, based on findings from studies in laboratory animals.

DIESEL EXHAUST: Chronic inhalation studies of whole diesel engine exhaust in mice and rats produced a significant increase in lung tumors. Combustion of kerosine and/or diesel fuels 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.

TARGET ORGANS:

central nervous system, skin, respiratory system, lungs, kidney, liver, thymus, reproductive organs,

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12. ECOTOXICOLOGICAL INFORMATION

Mobility:

May partition into air, soil and water.

Ecotoxicity:

Toxic to aquatic organisms.

Bioaccummutation:

Not expected to bioaccumulate in aquatic organisms.

Persistance/Biodegradation:

Readily biodegradable in the environment.

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 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:

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

Proper shipping name:
UN/Identification No:
Hazard Class:
Packing group:
DOT reportable quantity (lbs):

Transport Information:

Fuel Oil, No. 2 NA 1993 3 III Not applicable.

Proper shipping name: UN/Identification No: Hazard Class: Packing group: Fuel Oil, No. 2 NA 1993 3 III

15. REGULATORY INFORMATION

US Federal Regulatory information: MSDS ID NO.: 0279MAR019

Product name: Marathon No. 2 Low Sulfur Diesel Dyed 500 ppm Sulfur Max ۰.

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US TSCA Chemical Inventory Section 8(b):

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

OSHA Hazard Communication Standard:

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	NA
Unsaturated Hydrocarbons	NA 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
Unsaturated Hydrocarbons	NA
Naphthalene	= 100 lb final RQ
-	= 45.4 kg final RQ

SARA Section 311/312

The following EPA hazard categories apply to this product:

Acute Health Hazard Fire Hazard Chronic Health 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
Unsaturated Hydrocarbons	None
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 register list:	Not Listed.

Product name: Marathon No. 2 Low Sulfur Diesel Dyed 500 ppm Sulfur Max

Saturated Hydrocarbons	
Massachusetts Extraordinarily Hazardous	Not Listed
Substances:	1407 E1970A
California - Regulated Carcinogens:	Not Listed
Pennsylvania RTK - Special Hazardous	Not Listed
Substances:	
New Jersey - Special Hazardous Substances:	Not Listed
New Jersey - Environmental Hazardous	Not Listed
Substances List:	
Illinois - Toxic Air Contaminants	Not Listed
New York - Reporting of Releases Part 597 -	Not Listed
List of Hazardous Substances:	
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 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	Not Listed
Substances List:	
Illinois - Toxic Air Contaminants	Not Listed
New York - Reporting of Releases Part 597 -	Not Listed
List of Hazardous Substances:	
Unsaturated 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 register list:	Not Listed.
Massachusetts Extraordinarily Hazardous	Not Listed
Substances:	
California - Regulated Carcinogens:	Not Listed
Pennsylvania RTK - Special Hazardous Substances:	Not Listed
	Rink Linkad
New Jersey - Special Hazardous Substances:	Not Listed Not Listed
New Jersey - Environmental Hazardous Substances List:	INUL LISTEO
Illinois - Toxic Air Contaminants	Not Listed
New York - Reporting of Releases Part 597 -	Not Listed
List of Hazardous Substances:	LAOF FIRED
Naphthalene	
Louisiana Right-To-Know:	Not Listed

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Product name: Marathon No. 2 Low Sulfur Diesel Dyed 500 ppm Sulfur Max No. 1681

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Saturated Hydrocarbons 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: carcinogen, initial date 4/19/02

sn 1322 Environmental hazard Present

Not Listed. Toxic: Flammable

Not Listed. Not Listed

Not Listed Not Listed

carcinogen

New Jersey - Environmental HazardousSN 1322 TPQ 500 lbSubstances List:Illinois - Toxic Air ContaminantsPresentIllinois - Toxic Air ContaminantsPresentNew York - Reporting of Releases Part 597 -= 1 lb RQland/waterList of Hazardous Substances:= 100 lb RQair

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:
Naphthalene	B4, D2A	1 %

NOTE:

Not Applicable.

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16. OTHER INFORMATION

Additional Information:

No data available.

Prepared by:

Mark S. Swanson, Manager, Toxicology and Product Safety

The information and recommendations contained herein are based upon tests believed to be reliable. However, Marathon Petroleum Company LP (MPC) does not guarantee their accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage maybe required. MPC assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet

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Material Safety Data Sheet

MSDS ID NO.:	0130MAR019
Revision date:	07/20/2006
Product name:	Marathon Regular Unleaded Gasoline With Ethanol
Synonym:	Regular Unleaded Gasoline With Alcohol
Chemical Family:	Petroleum Hydrocarbon
Formula:	Mixture
Manufacturer: Marathon Petroleum Company LLC 539 South Main Street Findlay OH 45840	
Other information:	419-421-3070
Emergency telephone number:	877-627-5463

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:
Marathon Regular Unleaded Gasoline With Ethanol	86290-81-5	100	=300 ppm TWA =500 ppm STEL		

Component Information:

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Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Ave	Other:
Saturated Hydrocarbons	Mixture	50-77			
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/m³ TWA = 560 mg/m³ 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 ⁹ TWA = 655 mg/m ⁹ 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	
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/m³ TWA = 545 mg/m³ 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		

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.

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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:

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.

DANGER!

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 quantitie 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 as can lead to irritation and/or dermatitis.	ıd
MSDS ID NO .: 0130MAR019	Product name: Marathon Regular Unleaded Page 3 of Gasoline With Ethanol	15

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Eye contact:

Eye irritation may result from contact with the liquid or exposure to the vapor at concentrations above the TLV.

Carcinogenic Evaluation:

Product information:

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

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

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.

MSDS ID NO .: 0130MAR019

Product name: Marathon Regular Unleaded Gasoline With Ethanol

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Inhalation:	If affected, move person to fresh air. If breathing is difficult breathing or if no heartbeat, give artificial respiration or car resuscitation (CPR). Immediately call a physician. If sympt any exposure, call a physician.	diopulmonary
Skin contact:	Wash with soap and large amounts of water. Remove con symptoms or irritation occur, call a physician.	taminated clothing. If
Ingestion:	If swallowed, do not induce vomiting and do not give liquid physician.	s. Immediately call a
Eye contact:	Flush eyes with large amounts of tepid water for at least 1: irritation occur, call a physician.	5 minutes. If symptoms or
Medical conditions aggravated by exposure:	Pre-existing eye, skin, respiratory, liver and/or kidney disor by exposure to components of this product.	rders may be aggravated

Suitable extinguishing media:

Specific hazards:

Special protective equipment for firefighters:

Flash point: Autoignition temperature: Flammable limits in air - lower (%): Flammable limits in air - upper (%):

NFPA rating: Health: 1 Flammability: 3 Reactivity: 0 Other: - 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.

-50 F C.A. 495 F 1.4 7.6

<u>HMIS classification:</u> Health: 1 Flammability: 3 Reactivity: 0 Special: *See Section 8 for guidance in selection of personal protective equipment.

C ACCHDENNAT REDEASE MEASURES

MSDS ID NO .: 0130MAR019

Product name: Marathon Regular Unleaded Gasoline With Ethanol

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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.

Handling:

Comply with all applicable EPA, OSHA, NFPA and consistent state and local requirements. Use appropriate grounding and bonding practices. Store in property 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 as a person when working in potentially explosive atmospheres or keep devices inside your vehicle during refueling.

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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. PHINSE ALLARID CHEMINGAR 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

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Odor: Molecular weight: pH: Boiling point/range (5-95%): Melting point/range: Decomposition temperature: Specific gravity: Density: **Buik 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.

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Stability:The material is stable at 70 F, 760 mm pressure.Polymerization:Will not occur.Hazardous decomposition products:Combustion produces carbon monoxide, aldehydes,
aromatic and other hydrocarbons.Materials to avoid:Strong oxidizers such as nitrates, perchlorates, chlorine,
fluorine.Conditions to avoid:Excessive heat, sources of ignition, open flame.

Acute toxicity:

Product information:

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

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 hypoxla 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.

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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.

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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.

49 CFR 172.101:

49 CFR 172.101

DOT:

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

Proper shipping name: UN/Identification No: Hazard Class: Packing group: DOT reportable quantity (lbs):

TDG (Canada);

Proper shipping name: UN/Identification No: Hazard Class: Packing group: Regulated substances:

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Gasoline UN 1203 3 II Not applicable.

Gasoline UN 1203 3 II Not applicable.

Federal Regulatory Information:

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REAL POINT IN FORMATION

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

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OSHA Hazard Communication Standard:

US TSCA Chemical Inventory Section 8(b):

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

EPA Superfund Amendment & Reauthorization Act (SARA):

Van Manen Petroleum

SARA Section 302:

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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	NA
Toluene	NA
Unsaturated Hydrocarbons	NA
Ethyl Alcohol	NA
Xylene	NA
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 PQ
	= 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 ib final RQ
	= 10 lb final RQ receives an adjustable RQ of 10 lbs based on potential carcinogenicity in August 14, 1989 fit
	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, 198
	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 lip final RQ
	= 100 lb final RQ
	= 45.4 kg final RQ

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SARA Section 311/312:

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	
Велгеле	= 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	r list: Not Listed.
Massachusetts Extraordinarily Ha Substances:	azardous Not Listed
California - Regulated Carcinoge	ns: Not Listed
Pennsylvania RTK - Special Haza Substances:	ardous Not Listed
New Jersey - Special Hazardous	Substances: Not Listed
New Jersey - Environmental Haz	ardous Not Listed
Substances List:	
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	er list: Not Listed.
Massachusetts Extraordinarily Hi Substances:	azardous Not Listed
California - Regulated Carcinoge	ns: Not Listed
Pennsylvania RTK - Special Haz Substances:	
New Jersey - Special Hazardous	Substances: Not Listed
MSDS ID NO.: 0130MAR019	Product name: Marethon Regular Unleaded

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Not Listed New Jersey - Environmental Hazardous Substances List: Not Listed Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -Not Listed List of Hazardous Substances: Toluene Not Listed Louisiana Right-To-Know: developmental toxicity; initial date 1/1/91 California Proposition 65: sn 1866 New Jersey Right-To-Know: environmental hazard Pennsylvania Right-To-Know: Present Massachusetts Right-To Know: Not Listed. Florida substance List: Toxic, Flammable; skin Rhode Island Right-To-Know: Annual usage threshold = 100 pounds Michigan critical materials register list: Not Listed Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Pennsvivania 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: Ethyl 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:

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. Toxic, Flammable Not Listed.

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Michigan critical materials register list:

Product name: Marathon Regular Unleaded Gasoline With Ethanol

Not Listed Massachusetts Extraordinarily Hazardous Substances: Not Listed California - Regulated Carcinogens: Not Listed Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: New Jersey - Environmental Hazardous Not Listed Substances List: Not Listed Illinols - Toxic Air Contaminants New York - Reporting of Releases Part 597 -Not Listed List of Hazardous Substances: Xylene Not Listed Louisiana Right-To-Know: Not Listed California Proposition 65: sn 2014 New Jersey Right-To-Know: Pennsylvania Right-To-Know: Present Massachusetts Right-To Know: Not Listed. Florida substance List: Rhode Island Right-To-Know. Michigan critical materials register list: Not Listed Massachusetts Extraordinarily Hazardous Substances: Not Listed California - Regulated Carcinogens: Not Listed Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: SN 2014 New Jersey - Environmental Hazardous Substances List: Present Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -List of Hazardous Substances: 1,2,4-Trimethylbenzene Not Listed Louisiana Right-To-Know: Not Listed California Proposition 65: sri 1929 New Jersey Right-To-Know: sn 2716 [present] Pennsylvania Right-To-Know: Present Massachusetts Right-To Know: Florida substance List: Toxic Rhode Island Right-To-Know: Michigan critical materials register list: Not Listed Massachusetts Extraordinarily Hazardous Substances: California - Regulated Carcinogens: Not Listed Not Listed Pennsylvania RTK - Special Hazardous Substances: New Jersey - Special Hazardous Substances: Not Listed SN 2716 New Jersey - Environmental Hazardous Substances List: Present Illinois - Toxic Air Contaminants New York - Reporting of Releases Part 597 -Not Listed List of Hazardous Substances: Not Listed

flammable - third degree environmental hazard Toxic, Flammable Annual usage threshold = 100 pounds (all isomers) flammable - third degree = 1 lb Land/Water RQ = 1.000 lbs Air RQ environmental hazard

Not Listed. Not Listed.

Benzene

Louisiana Right-To-Know:

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carcinogen; initial date 2/27/87 California Proposition 65: developmental toxicity; initial date 12/26/97 male reproductive toxicity; initial date 12/26/97 sn 0197 New Jersey Right-To-Know: environmental hazard; special hazardous substance Pennsylvania Right-To-Know: Carcinogen: Extraordinarily hazardous Massachusetts Right-To Know: Not Listed. Florida substance List: Toxic, Flammable, Carcinogen; skin Rhode Island Right-To-Know: Annual usage threshold = 100 pounds Michigan critical materials register list: carcinogen; extraordinarily hazardous Massachusetts Extraordinarily Hazardous Substances: Not Listed California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous [present] Substances: carcinogen; flammable - third degree; mutagen New Jersey - Special Hazardous Substances: SN 0197 New Jersey - Environmental Hazardous Substances List: Present Illinois - Toxic Air Contaminants = 1 lb Land/Water RQ New York - Reporting of Releases Part 597 -= 10 lbs Air RQ List of Hazardous Substances: Hexane Not Listed 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 register list: Massachusetts Extraordinarily Hazardous Not Listed Substances: Not Listed California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous Not Listed Substances: New Jersey - Special Hazardous Substances: Not Listed New Jersey - Environmental Hazardous Not Listed Substances List: Illinois - Toxic Air Contaminants Not Listed Not Listed New York - Reporting of Releases Part 597 -List of Hazardous Substances: Ethyl Benzene Not Listed Louisiana Right-To-Know: Not Listed California Proposition 65: sn 0851 New Jersey Right-To-Know: environmental hazard Pennsylvania Right-To-Know: Present Massachusetts Right-To Know: Florida substance List: Not Listed. Toxic, Flammable Rhode Island Right-To-Know: Not Listed. Michigan critical materials register list: Massachusetts Extraordinarily Hazardous Not Listed Substances: Not Listed California - Regulated Carcinogens: Pennsylvania RTK - Special Hazardous Not Listed Substances: flammable - third degree New Jersey - Special Hazardous Substances:

MSDS ID NO.: 0130MAR019

Product name: Marathon Regular Unleaded Gasoline With Ethanol Page 14 of 15

	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
Nenh	thalene	1000 1007
марн		Not Listed
	Louislana Right-To-Know:	Listed
	California Proposition 65:	
	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:	Floren
	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)
Хуlепе	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 %

Additional Information:

No data available.

Prepared by:

Craig M. Parker Manager, Toxicology and Product Safety

The information and recommendations contained herein are based upon tests believed to be reliable. However, Marathon Petroleum Company LLC (MPC) does not guarantee their accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage maybe required. MPC assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet

Product name: Marathon Regular Unleaded Gasoline With Ethanol