MSDS# 401841MU Version 4. Effective Date 02/18/2009

1910.1200

Material Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR

1. MATERIAL AND COMPANY IDENTIFICATION

Material Name Conventional Gasoline with Ether

Uses Fuel for spark ignition engines designed to run on unleaded

Manufacturer/Supplier **Motiva Enterprises LLC**

PO BOX 4540

Houston, TX 77210-4540

USA

MSDS Request : 877-276-7285

Emergency Telephone Number

Spill Information : 877-242-7400 **Health Information** : 877-504-9351

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	CAS No.	Concentration
Ethyl tertiary butyl ether	637-92-3	0.00 - 18.50 %
Tertiary amyl methyl ether	994-05-8	0.00 - 18.60 %
Diisopropyl ether	108-20-3	0.00 - 2.00 %
Gasoline		81.40 - 100.00 %

Contains Alkanes, Cycloalkanes, Alkenes and Aromatic Hydrocarbons, Mixture.

Contains 1,2,4 Tri-methyl-benzene, CAS# 95-63-6

Contains Styrene, CAS # 100-42-5. Contains Benzene, CAS # 71-43-2.

Contains Toluene, CAS # 108-88-3. Contains Ethylbenzene, CAS # 100-41-4.

Contains n-Hexane, CAS # 110-54-3.

Contains Xylene (Mixed Isomers), CAS # 1330-20-7.

Contains Naphthalene, CAS # 91-20-3. Contains Cyclo-hexane, CAS# 110-82-7.

3. HAZARDS IDENTIFICATION

	Emergency Overview
Appearance and Odour	: Bronze. Clear, bright liquid. Hydrocarbon.
Health Hazards	: Harmful: may cause lung damage if swallowed. Irritating to skin. Vapours may cause drowsiness and dizziness. A component or components of this material may cause cancer. This product contains benzene which may cause leukaemia (AML acute myelogenous leukaemia).
Safety Hazards	: Extremely flammable. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Electrostatic charges may be generated during handling. Electrostatic discharge may cause fire.
Environmental Hazards	: Toxic to aquatic organisms, may cause long-term adverse

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effects in the aquatic environment.

Health Hazards

Inhalation : Vapours may cause drowsiness and dizziness. Slightly irritating

> to respiratory system. Irritating to skin.

Skin Contact

Eye Contact

Ingestion Other Information Moderately irritating to eyes.

Harmful: may cause lung damage if swallowed.

Possibility of organ or organ system damage from prolonged

exposure; see Chapter 11 for details. Target organ(s):

Blood-forming organs. Peripheral nervous system.

May cause heritable genetic damage. Possible risk of harm to the unborn child. A component or components of this material may cause cancer. This product contains benzene which may cause leukaemia (AML acute myelogenous leukaemia).

Signs and Symptoms

Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Eye irritation signs and symptoms may include a burning sensation and a temporary redness of the eye. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath. and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness. headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. Damage to blood-forming organs may be evidenced by: a) fatigue and anaemia (RBC), b) decreased resistance to infection, and/or excessive bruising and bleeding (platelet effect). Peripheral nerve damage may be evidenced by impairment of motor function (incoordination, unsteady walk, or muscle weakness in the extremities, and/or loss of sensation in the arms and legs). Auditory system effects may include temporary hearing loss

Aggravated Medical Condition

Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Blood-forming organs. Peripheral nervous system. Skin.

Environmental Hazards

Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. Ether oxygenates are significantly more water soluble and less biodegradable than benzene, toluene, ethyl benzene and xylenes (BTEX). Consequently ether oxygenates have the potential to migrate relatively longer distances than BTEX in groundwater. : This product is intended for use in closed systems only.

Additional Information

4. FIRST AID MEASURES

Inhalation Remove to fresh air. If rapid recovery does not occur, transport

and/or ringing in the ears.

to nearest medical facility for additional treatment.

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Skin Contact Remove contaminated clothing. Immediately flush skin with

> large amounts of water for at least 15 minutes, and follow by washing with soap and water if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical

facility for additional treatment.

Flush eyes with water while holding eyelids open. Rest eyes for **Eye Contact**

30 minutes. If redness, burning, blurred vision, or swelling persist, transport to the nearest medical facility for additional

treatment.

Ingestion If swallowed, do not induce vomiting: transport to nearest

> medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever

greater than 101°F (37°C), shortness of breath, chest

congestion or continued coughing or wheezing. Treat symptomatically. In cases of ingestion, consider gastric Advice to Physician

lavage. Gastric lavage must only be undertaken after cuffed endotracheal intubation in view of the risk of aspiration.

Administration of carbon for medicinal use (carbo medicinalis)

may reduce absorption from the digestive tract.

5. FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

Flash point < -40 °C / -40 °F (ASTM D-93 / PMCC)

: 1.3 - 7.6 %(V)

Upper / lower Flammability or **Explosion limits**

Specific Hazards : Hazardous combustion products may include: A complex

mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Will float and can be

reignited on surface water.

Do not use water in a jet.

Suitable Extinguishing

Media

Unsuitable Extinguishing

Media

Protective Equipment for

Firefighters Additional Advice Proper protective equipment including breathing apparatus

Foam, water spray or fog. Dry chemical powder, carbon

dioxide, sand or earth may be used for small fires only.

must be worn when approaching a fire in a confined space. Keep adjacent containers cool by spraying with water. If

possible remove containers from the danger zone. If the fire cannot be extinguished the only course of action is to evacuate immediately. Contain residual material at affected sites to prevent material from entering drains (sewers), ditches, and

waterways.

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with skin, eyes and clothing. Evacuate the area of all non-essential personnel.

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Ventilate contaminated area thoroughly. If contamination of sites occurs remediation may require specialist advice. Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Observe all relevant local and international regulations. Take precautionary measures against static discharges.

Protective measures

Vapour can travel for considerable distances both above and below the ground surface. Underground services (drains, pipelines, cable ducts) can provide preferential flow paths. Do not breathe fumes, vapour. Take measures to minimise the effects on groundwater. Contain residual material at affected sites to prevent material from entering drains (sewers), ditches, and waterways. Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment (of product and fire fighting

water) to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

Clean Up Methods

For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For small liquid spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

Additional Advice

Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. Local authorities should be advised if significant spillages cannot be contained. Maritime spillages should be dealt with using a Shipboard Oil Pollution Emergency Plan (SOPEP), as required by MARPOL Annex 1 Regulation 26. U.S. regulations may require reporting releases of this material to the environment which exceed the reportable quantity (refer to Chapter 15) to the National Response Centre at (800) 424-8802. Under Section 311 of the Clean Water Act (CWA) this material is considered an oil. As such, spills into surface waters must be reported to the National Response Centre at (800) 424-8802. This material is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Petroleum Exclusion. Therefore, releases to the environment may not be reportable under CERCLA.

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7. HANDLING AND STORAGE

General Precautions

Avoid breathing vapours or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For quidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. Air-dry contaminated clothing in a well-ventilated area before laundering. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Prevent spillages. Turn off all battery operated portable electronic devices (examples include: cellular phones, pagers and CD players) before operating gasoline pump. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse. For comprehensive advice on handling, product transfer, storage and tank cleaning refer to the product supplier. Do not use as a cleaning solvent or other non-motor fuel uses.

Handling

When using do not eat or drink. Extinguish any naked flames.
 Do not smoke. Remove ignition sources. Avoid sparks. Never siphon by mouth. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Avoid exposure.
 Drum and small container storage: Keep containers closed

Storage

when not in use. Drums should be stacked to a maximum of 3 high. Use properly labelled and closeable containers. Packaged product must be kept tightly closed and stored in a diked (bunded) well-ventilated area, away from, ignition sources and other sources of heat. Take suitable precautions when opening sealed containers, as pressure can build up during storage. Tank storage: Tanks must be specifically designed for use with this product. Bulk storage tanks should be diked (bunded). Locate tanks away from heat and other sources of ignition. Cleaning, inspection and maintenance of storage tanks is a specialist operation, which requires the implementation of strict procedures and precautions.

Product Transfer

Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (<= 1 m/sec until fill pipe submerged to twice its diameter, then <= 7 m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging, or handling operations. Wait 2 minutes after tank filling (for tanks such as those on road tanker vehicles) before opening hatches or manholes. Wait 30 minutes after tank filling (for large storage tanks) before opening hatches or manholes.

Recommended Materials

For containers, or container linings use mild steel, stainless steel. Aluminium may also be used for applications where it does not present an unnecessary fire hazard. Examples of

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suitable materials are: high density polyethylene (HDPE), polypropylene (PP), and Viton (FKM), which have been specifically tested for compatibility with this product. For container linings, use amine-adduct cured epoxy paint. For seals and gaskets use: graphite, PTFE, Viton A, Viton B.

Unsuitable Materials : Some synthetic materials may be unsuitable for containers or

container linings depending on the material specification and intended use. Examples of materials to avoid are: natural rubber (NR), nitrile rubber (NBR), ethylene propylene rubber (EPDM), polymethyl methacrylate (PMMA), polystyrene, polyvinyl chloride (PVC), polyisobutylene. However, some may

be suitable for glove materials.

Container Advice : Containers, even those that have been emptied, can contain

explosive vapours. Do not cut, drill, grind, weld or perform similar operations on or near containers. Gasoline containers

must not be used for storage of other products.

Additional Information : Ensure that all local regulations regarding handling and storage

facilities are followed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Material	Source	Туре	ppm	mg/m3	Notation
Cyclohexan	ACGIH	TWA	100 ppm		
е					
Cyclohexan	OSHA Z1	PEL	300 ppm	1,050 mg/m3	
е					
Cyclohexan	OSHA Z1A	TWA	300 ppm	1,050 mg/m3	
е					
n-hexane	ACGIH	TWA	50 ppm		
n-hexane	ACGIH	SKIN_DES			Can be absorbed through the skin.
n-hexane	OSHA Z1	PEL	500 ppm	1,800 mg/m3	
n-hexane	OSHA Z1A	TWA	50 ppm	180 mg/m3	
Ethylbenze	ACGIH	TWA	100 ppm		
ne					
Ethylbenze	ACGIH	STEL	125 ppm		
ne					
Ethylbenze	OSHA Z1	PEL	100 ppm	435 mg/m3	
ne					
Ethylbenze	OSHA Z1A	TWA	100 ppm	435 mg/m3	
ne					
Ethylbenze	OSHA Z1A	STEL	125 ppm	545 mg/m3	
ne					
Benzene	ACGIH	TWA	0.5 ppm		
Benzene	ACGIH	STEL	2.5 ppm		
Benzene	ACGIH	SKIN_DES			Can be absorbed through the skin.
Benzene	OSHA	REF			
Benzene	OSHA	TWA	1 ppm		
Benzene	OSHA	STEL	5 ppm		

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Danner	OCLIA	OCUA ACT	0.5		
Benzene	OSHA	OSHA_ACT	0.5 ppm		
Benzene	OSHA Z1A	TWA	1 ppm		
Benzene	OSHA Z1A	STEL	5 ppm		
Styrene	ACGIH	TWA	20 ppm		
Styrene	ACGIH	STEL	40 ppm	<u> </u>	
Styrene	OSHA Z1A	TWA	50 ppm	215 mg/m3	
Styrene	OSHA Z1A	STEL	100 ppm	425 mg/m3	
1,2,4- trimethylbe	ACGIH	TWA	25 ppm		
nzene	OSHA Z1A	TWA	05	105	
1,2,4- trimethylbe nzene	OSHA ZTA	IVVA	25 ppm	125 mg/m3	
Toluene	ACGIH	TWA	20 ppm		
Toluene	ACGIH	SKIN_DES			Can be absorbed through the skin.
Toluene	OSHA Z1A	TWA	100 ppm	375 mg/m3	
Toluene	OSHA Z1A	STEL	150 ppm	560 mg/m3	
Toluene	SHELL IS	TWA	50 ppm		
Xylene	ACGIH	TWA	100 ppm		
Xylene	ACGIH	STEL	150 ppm		
Xylene	OSHA Z1	PEL	100 ppm	435 mg/m3	
Xylene	OSHA Z1A	TWA	100 ppm	435 mg/m3	
Xylene	OSHA Z1A	STEL	150 ppm	655 mg/m3	
Diisopropyl ether	ACGIH	TWA	250 ppm		
Diisopropyl ether	ACGIH	STEL	310 ppm		
Diisopropyl ether	OSHA Z1	PEL	500 ppm	2,100 mg/m3	
Diisopropyl ether	OSHA Z1A	TWA	500 ppm	2,100 mg/m3	
Tertiary amyl methyl ether	ACGIH	TWA	20 ppm		
Ethyl tertiary buytl ether	ACGIH	TWA	5 ppm		
Gasoline, low boiling point naphtha	ACGIH	TWA	300 ppm		
Gasoline, low boiling point naphtha	ACGIH	STEL	500 ppm		
Naphthalen e	ACGIH	TWA	10 ppm		
Naphthalen e	ACGIH	STEL	15 ppm		

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Naphthalen	ACGIH	SKIN_DES			Can be absorbed through
е					the skin.
Naphthalen	OSHA Z1	PEL	10 ppm	50 mg/m3	
е					
Naphthalen	OSHA Z1A	TWA	10 ppm	50 mg/m3	
е					
Naphthalen	OSHA Z1A	STEL	15 ppm	75 mg/m3	
e					

Additional	l Info	rmation	
Addillona	i inio	rmanon	

: Shell has adopted as Interim Standards the OSHA Z1A values that were established in 1989 and later rescinded. SHELL IS is

the Shell Internal Standard.

Skin notation means that significant exposure can also occur by absorption of liquid through the skin and of vapour through the eyes or mucous membranes.

Exposure Controls

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances.

Appropriate measures include: Use sealed systems as far as possible. Adequate explosion-proof ventilation to control airborne concentrations below the exposure guidelines/limits. Local exhaust ventilation is recommended. Eye washes and

showers for emergency use.

Personal Protective Equipment Respiratory Protection Personal protective equipment (PPE) should meet

recommended national standards. Check with PPE suppliers. If engineering controls do not maintain airborne concentrations

to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen

deficiency, confined space) use appropriate positive pressure breathing apparatus. All respiratory protection equipment and

use must be in accordance with local regulations.

Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory

Protection Standard, 29 CFR 1910.134.

Hand Protection : Personal hygiene is a key element of effective hand care.

Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove

suppliers. Contaminated gloves should be replaced. **Eye Protection**: Chemical splash goggles (chemical monogoggles).

Protective Clothing : Chemical resistant gloves/gauntlets, boots, and apron (where

risk of splashing).

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Bronze. Clear, bright liquid.

Odour : Hvdrocarbon. Freezing Point : -58 °C / -72 °F

Flash point : < -40 °C / -40 °F (ASTM D-93 / PMCC)

Upper / lower Flammability : 1.3 - 7.6 %(V)

or Explosion limits

Specific gravity : 0.72 - 0.76 Water solubility : Negligible. Vapour density (air=1) : 3.5

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions of use.

Conditions to Avoid Avoid heat, sparks, open flames and other ignition sources.

Materials to Avoid Strong oxidising agents.

Hazardous Decomposition : Hazardous decomposition products are not expected to form

Products

during normal storage. Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative

degradation.

11. TOXICOLOGICAL INFORMATION

Basis for Assessment Information given is based on product testing, and/or similar

products, and/or components.

Acute Oral Toxicity Low toxicity: LD50 >2000 mg/kg, Rat

Aspiration into the lungs when swallowed or vomited may

cause chemical pneumonitis which can be fatal.

Low toxicity: LD50 >2000 mg/kg, Rabbit **Acute Dermal Toxicity Acute Inhalation Toxicity** Low toxicity: LC50 >20 mg/l / 1 h, Rat

> High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or

death.

Skin Irritation Irritating to skin.

Eye Irritation Moderately irritating to eyes (but insufficient to classify). **Respiratory Irritation** Based on human experience, breathing of vapours or mists

may cause a temporary burning sensation to nose, throat and

lungs.

Sensitisation Not a skin sensitiser.

Repeated Dose Toxicity Kidney: caused kidney effects in male rats which are not

considered relevant to humans

Blood-forming organs: repeated exposure affects the bone

marrow. (Benzene)

Peripheral nervous system: repeated exposure causes

peripheral neuropathy in animals. (n-hexane)

Mutagenicity May cause heritable genetic damage. (Benzene)

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Mutagenicity studies on gasoline and gasoline blending streams have shown predominantly negative results.

Carcinogenicity

Known human carcinogen. (Benzene)

May cause leukaemia (AML - acute myelogenous leukemia).

(Benzene)

Inhalation exposure to mice causes liver tumours, which are

not considered relevant to humans.

Material	:	Carcinogenicity Classification
Gasoline, low boiling point	:	ACGIH Group A3: Confirmed animal carcinogen with unknown
naphtha		relevance to humans.
Gasoline, low boiling point	:	IARC 2B: Possible carcinogen.
naphtha		
Toluene	:	ACGIH Group A4: Not classifiable as a human carcinogen.
Toluene	:	IARC 3: Classification not possible from current data.
Benzene	:	ACGIH Group A1: Confirmed human carcinogen.
Benzene	:	NTP: Known carcinogen.
Benzene	:	IARC 1: Human carcinogen.
Benzene	:	OSHASP: Cancer hazard.
Ethylbenzene	:	ACGIH Group A3: Confirmed animal carcinogen with unknown
		relevance to humans.
Ethylbenzene	:	IARC 2B: Possible carcinogen.
Naphthalene	:	ACGIH Group A4: Not classifiable as a human carcinogen.
Naphthalene	:	NTP: Anticipated carcinogen.
Naphthalene	:	IARC 2B: Possible carcinogen.
Styrene	:	ACGIH Group A4: Not classifiable as a human carcinogen.
Styrene	:	IARC 2B: Possible carcinogen.

Reproductive and Developmental Toxicity

: Causes foetotoxicity at doses which are maternally toxic. (Toluene)

Causes adverse effects on the foetus based on animal studies. (Toluene)

Many case studies involving abuse during pregnancy indicate that toluene can cause birth defects, growth retardation and learning difficulties. (Toluene)

Additional Information

Exposure to very high concentrations of similar materials has been associated with irregular heart rhythms and cardiac arrest.

Prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. (Toluene)

Abuse of vapours has been associated with organ damage and death. (Toluene)

Myelodysplastic syndrome (MDS) was observed in individuals exposed to very high levels (50 ppm to 300 ppm range) of benzene over a long period of time in the workplace. The relevance of these results to lower levels of exposure is not known. (Benzene)

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12. ECOLOGICAL INFORMATION

Fuels are typically made from blending several refinery streams. Ecotoxicological studies have been carried out on a variety of hydrocarbon blends and streams but not those containing additives. Information given is based on a knowledge of the components and the ecotoxicology of similar products.

Acute Toxicity : Toxic: LL/EL/IL50 1-10 mg/l (to aquatic organisms) (LL/EL50

expressed as the nominal amount of product required to

prepare aqueous test extract).

Mobility : Floats on water. Evaporates within a day from water or soil

surfaces. Large volumes may penetrate soil and could contaminate groundwater. Contains volatile constituents. Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. Ether oxygenates are significantly more water soluble and less biodegradable than benzene, toluene, ethyl benzene and xylenes (BTEX). Consequently ether oxygenates have the potential to migrate relatively longer

distances than BTEX in groundwater.

Persistence/degradability : Major constituents are expected to be inherently

biodegradable, but the product contains components that may persist in the environment. The volatile constituents will oxidize

rapidly by photochemical reactions in air.

Bioaccumulation

Other Adverse Effects

Contains constituents with the potential to bioaccumulate.

Films formed on water may affect oxygen transfer and damage

organisms.

13. DISPOSAL CONSIDERATIONS

Material Disposal : Recover or recycle if possible. It is the responsibility of the

waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand. Do not dispose into the environment, in drains or in water courses. Do not dispose of tank water bottoms by allowing them to drain into the ground. This will

result in soil and groundwater contamination.

Container Disposal : Drain container thoroughly. After draining, vent in a safe place

away from sparks and fire. Residues may cause an explosion hazard. Do not, puncture, cut, or weld uncleaned drums. Send to drum recoverer or metal reclaimer. Do not pollute the soil,

water or environment with the waste container.

Local Legislation : Disposal should be in accordance with applicable regional.

national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and

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must be complied with.

14. TRANSPORT INFORMATION

US Department of Transportation Classification (49CFR)

Identification number UN 1203 Proper shipping name Gasoline

Class / Division

Packing group Ш

Emergency Response Guide

No.

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Additional Information Oil: This product is an oil under 49CFR (DOT) Part 130. If

shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also

be subject to this rule.

IMDG

Identification number UN 1203 **GASOLINE** Proper shipping name

Class / Division 3 Ш Packing group Marine pollutant: No

IATA (Country variations may apply)

Identification number UN 1203 Proper shipping name Gasoline

Class / Division 3 Packing group Ш

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Federal Regulatory Status

Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)

Conventional Gasoline with Ether () Reportable quantity: 20 lbs

Gasoline, low boiling point naphtha () Reportable quantity: 100 lbs

Toluene (108-88-3) Reportable quantity: 1000 lbs

Benzene (71-43-2) Reportable quantity: 10 lbs

Ethylbenzene (100-41-4) Reportable quantity: 1000 lbs

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n-hexane (110-54-3) Reportable quantity: 5000 lbs

Diisopropyl ether (108-20-3) Reportable quantity: 100 lbs

Naphthalene (91-20-3) Reportable quantity: 100 lbs

Cyclohexane (110-82-7) Reportable quantity: 1000 lbs

Styrene (100-42-5) Reportable quantity: 1000 lbs

Xylene (1330-20-7) Reportable quantity: 100 lbs

Clean Water Act (CWA) Section 311

Toluene (108-88-3) Reportable quantity: 1000 lbs

Benzene (71-43-2) Reportable quantity: 10 lbs

Ethylbenzene (100-41-4) Reportable quantity: 1000 lbs

Naphthalene (91-20-3) Reportable quantity: 100 lbs

Cyclohexane (110-82-7) Reportable quantity: 1000 lbs

Styrene (100-42-5) Reportable quantity: 1000 lbs

Xylene (1330-20-7) Reportable quantity: 100 lbs

Under Section 311 of the Clean Water Act (CWA) this material is considered an oil. As such, spills into surface waters must be reported to the National Response Centre at (800) 424-8802.

SARA Hazard Categories (311/312)

Immediate (Acute) Health Hazard. Delayed (Chronic) Health Hazard. Fire Hazard.

SARA Toxic Release Inventory (TRI) (313)

Toluene (108-88-3) 1,2,4-trimethylbenzene (95-63-6) Benzene (71-43-2) Ethylbenzene (100-41-4)

n-hexane (110-54-3)

Naphthalene (91-20-3) Cyclohexane (110-82-7)

Styrene (100-42-5)

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Xylene (1330-20-7)

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This product contains a chemical known to the State of California to cause cancer. Known to the State of California to cause birth defects or other reproductive harm.

New Jersey Right-To-Know Chemical List

Toluene (108-88-3)	Listed.
1,2,4-trimethylbenzene (95-63-6)	Listed.
Benzene (71-43-2)	Listed.
Ethylbenzene (100-41-4)	Listed.
n-hexane (110-54-3)	Listed.
Diisopropyl ether (108-20-3) Naphthalene (91-20-3)	Listed. Listed.
Cyclohexane (110-82-7)	Listed.
Styrene (100-42-5)	Listed.
Xylene (1330-20-7)	Listed.

Pennsylvania Right-To-Know Chemical List

Gasoline, low boiling point naphtha ()	Listed.
Toluene (108-88-3)	Environmental hazard.
	Listed.
1,2,4-trimethylbenzene (95-63-6)	Environmental hazard.
	Listed.
Benzene (71-43-2)	Special hazard.
	Environmental hazard.
	Listed.
Ethylbenzene (100-41-4)	Environmental hazard.
	Listed.
n-hexane (110-54-3)	Listed.
Diisopropyl ether (108-20-3)	Listed.
Naphthalene (91-20-3)	Environmental hazard.
	Listed.
Cyclohexane (110-82-7)	Environmental hazard.
	Listed.
Styrene (100-42-5)	Environmental hazard.
	Listed.

MSDS# 401841MU Version 4. Effective Date 02/18/2009

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Material Safety Data Sheet

Xylene (1330-20-7)

Environmental hazard. Listed.

16. OTHER INFORMATION

Additional Information : This document contains important information to ensure the

safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety

matters.

NFPA Rating (Health,

Fire, Reactivity)

MSDS Version Number

: 4.

MSDS Effective Date : 02/18/2009

MSDS Revisions : A vertical bar (|) in the left margin indicates an amendment

from the previous version.

MSDS Regulation : The content and format of this MSDS is in accordance with the

OSHA Hazard Communication Standard, 29 CFR 1910.1200.

MSDS Distribution : The information in this document should be made available to

all who may handle the product.

Disclaimer: The information contained herein is based on our current

knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to

be obtained from the use of the product.