



SAFETY DATA SHEET

SDS ID NO.: 0261MAR019
Revision Date: 05/21/2015

1. IDENTIFICATION

Product Name: Marathon Petroleum Ethanol Flex-Fuel (E51-E83)
Synonym: Flex-Fuel (E51); Flex-Fuel (E70); Flex-Fuel (E72); Flex-Fuel (E75); Flex-Fuel (E80); Flex-Fuel (E83); Flex Fuel (E51, E70, E72, E75, E80, E83)
Chemical Family: Hydrocarbon Mixture
Recommended Use: Fuel.
Use Restrictions: All others.

Supplier Name and Address:
MARATHON PETROLEUM COMPANY LP
539 South Main Street
Findlay, OH 45840

SDS information: 1-419-421-3070
Emergency Telephone: 1-877-627-5463

2. HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--|-------------|
| Flammable liquids | Category 1 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity | Category 1B |
| Reproductive toxicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Aspiration toxicity | Category 1 |
| Acute aquatic toxicity | Category 2 |
| Chronic aquatic toxicity | Category 2 |

Hazards Not Otherwise Classified (HNOC)

Static accumulating flammable liquid

Label elements

EMERGENCY OVERVIEW

Danger

EXTREMELY FLAMMABLE LIQUID AND VAPOR
May accumulate electrostatic charge and ignite or explode
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May cause drowsiness or dizziness
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
Toxic to aquatic life with long lasting effects



Appearance Clear or Colored Liquid

Physical State Liquid

Odor Hydrocarbon

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Do not eat, drink or smoke when using this product
Do not breathe mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash hands thoroughly after handling
Avoid release to the environment

Precautionary Statements - Response

IF exposed or concerned: Get medical attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical attention
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
If skin irritation occurs: Get medical attention
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell
IF SWALLOWED: Immediately call a POISON CENTER or doctor
Do NOT induce vomiting
In case of fire: Use water spray, fog or regular foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
Keep cool
Store locked up

Precautionary Statements - Disposal

Dispose of contents/container at an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Flex-Fuel is a mixture of ethyl alcohol and gasoline that is approved for use in an automobile spark ignition engine. May contain small amounts of dye and other additives (>0.02%) which are not considered hazardous at the concentrations used.

Composition Information:

| Name | CAS Number | Weight % |
|------------------------|------------|----------|
| Ethyl Alcohol | 64-17-5 | 51-83 |
| Gasoline | 86290-81-5 | 15-25 |
| Toluene | 108-88-3 | 0.2-3.8 |
| Xylene (mixed isomers) | 1330-20-7 | 0.3-2.5 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0.2-1.3 |
| Benzene | 71-43-2 | 0.1-0.9 |
| n-Hexane | 110-54-3 | 0-0.75 |
| Ethylbenzene | 100-41-4 | 0.1-0.5 |
| Naphthalene | 91-20-3 | 0-0.13 |

4. FIRST AID MEASURES

First Aid Measures

- General advice** In case of accident or if you feel unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).
- Inhalation:** Remove to fresh air. If not breathing, institute rescue breathing. If breathing is difficult, ensure airway is clear, give oxygen and continue to monitor. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). Keep affected person warm and at rest. GET IMMEDIATE MEDICAL ATTENTION.
- Skin Contact:** Immediately wash exposed skin with plenty of soap and water while removing contaminated clothing and shoes. May be absorbed through the skin in harmful amounts. Get medical attention if irritation persists. Any injection injury from high pressure equipment should be evaluated immediately by a physician as potentially serious (See NOTES TO PHYSICIAN).
- 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. Destroy contaminated, non-chemical resistant footwear.
- 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. Gently remove contacts while flushing. GET IMMEDIATE MEDICAL ATTENTION.
- Ingestion:** Do not induce vomiting because of danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs, keep head below hips, or if patient is lying down, turn body and head to side to prevent aspiration and monitor for breathing difficulty. Never give anything by mouth to an unconscious person. Keep affected person warm and at rest. GET IMMEDIATE MEDICAL ATTENTION.

Most important signs and symptoms, both short-term and delayed with overexposure

- Adverse Effects:** Acute: Headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue. Delayed: Dry skin and possible irritation with repeated or prolonged exposure.

Indication of any immediate medical attention and special treatment needed

NOTES TO PHYSICIAN:

INHALATION: This material (or a component) sensitizes the myocardium to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in individuals exposed to this material. Administration of sympathomimetic drugs should be avoided.

SKIN: Leaks or accidents involving high-pressure equipment may inject a stream of material through the skin and initially produce an injury that may not appear serious. Only a small puncture wound may appear on the skin surface but, without proper treatment and depending on the nature, original pressure, volume, and location of the injected material, can compromise blood supply to an affected body part. Prompt surgical debridement of the wound may be necessary to prevent irreversible loss of function and/or the affected body part. High pressure injection injuries may be **SERIOUS SURGICAL EMERGENCIES**.

INGESTION: This material represents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended.

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. Firefighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.

Unsuitable extinguishing media

Do not use straight water streams to avoid spreading fire.

Specific hazards arising from the chemical

This product has been determined to be an extremely flammable liquid per the OSHA Hazard Communication Standard and should be handled accordingly. May accumulate electrostatic charge and ignite or explode. 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 127.

Hazardous combustion products

Smoke, carbon monoxide, and other products of incomplete combustion.

Explosion data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge Yes.

Special protective equipment and precautions for firefighters

Firefighters should wear full protective clothing and positive-pressure self-contained breathing apparatus (SCBA) with a full face-piece, as appropriate. 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.

NFPA: Health 1 Flammability 3 Instability 0 Special Hazards -

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.

Protective Equipment:

Use personal protection measures as recommended in Section 8.

Emergency Procedures:

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.

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| Environmental precautions: | Ethanol in gasoline phase separates in contact with water. Monitor downstream for dissolved ethanol or other appropriate indicators. Avoid release to the environment. Avoid subsoil penetration. |
| Methods and materials for containment: | Contain liquid with sand or soil. |
| Methods and materials for cleaning up: | Use suitable absorbent materials such as vermiculite, sand, or clay to clean up residual liquids. Recover and return free product to proper containers. When recovering free liquids ensure all equipment is grounded and bonded. Use only non-sparking tools. |

7. HANDLING AND STORAGE

Safe Handling Precautions: NEVER SIPHON THIS PRODUCT BY MOUTH. Use appropriate grounding and bonding practices. Static accumulating flammable liquid. Bonding and grounding may be insufficient to eliminate the hazard from static electricity. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. No smoking. Avoid repeated and prolonged skin contact. Use personal protection measures as recommended in Section 8. Use only non-sparking tools. Do not cut, drill, grind or weld on empty containers since explosive residues may remain. Refer to applicable EPA, OSHA, NFPA and consistent state and local requirements.

Hydrocarbons are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering, pumping at high flow rates or loading and transfer operations. If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids. Sudden release of hot organic chemical vapors or mists from process equipment operating under elevated temperature and pressure, or sudden ingress of air into vacuum equipment may result in ignition of vapors or mists without the presence of obvious ignition sources. Nozzle spouts must be kept in contact with the containers or tank during the entire filling operation.

Portable containers should never be filled while in or on a motor vehicle or marine craft. Containers should be placed on the ground. Static electric discharge can ignite fuel vapors when filling non-grounded containers or vehicles on trailers. The nozzle spout must be kept in contact with the container before and during the entire filling operation. Use only approved containers.

A buildup of static electricity can occur upon re-entry into a vehicle during fueling especially in cold or dry climate conditions. The charge is generated by the action of dissimilar fabrics (i.e., clothing and upholstery) rubbing across each other as a person enters/exits the vehicle. A flash fire can result from this discharge if sufficient flammable vapors are present. Therefore, do not get back in your vehicle while refueling.

Cellular phones and other electronic devices may have the potential to emit electrical charges (sparks). Sparks in potentially explosive atmospheres (including fueling areas such as gas stations) could cause an explosion if sufficient flammable vapors are present. Therefore, turn off cellular phones and other electronic devices when working in potentially explosive atmospheres or keep devices inside your vehicle during refueling.

High-pressure injection of any material through the skin is a serious medical emergency even though the small entrance wound at the injection site may not initially appear serious. These injection injuries can occur from high-pressure equipment such as paint spray or grease or guns, fuel injectors, or pinhole leaks in hoses or hydraulic lines and should all be considered serious. High pressure injection injuries may be SERIOUS SURGICAL EMERGENCIES (See First Aid Section 4).

Storage Conditions: Store in properly closed containers that are appropriately labeled and in a cool, well-ventilated area. Use containers that are compatible with ethanol and ethanol blends.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | ACGIH TLV | OSHA PELs: | OSHA - Vacated PELs | NIOSH IDLH |
|-------------------------------------|---|--|---|------------|
| Ethyl Alcohol 64-17-5 | 1000 ppm STEL | TWA: 1000 ppm TWA: 1900 mg/m ³ | 1000 ppm TWA 1900 mg/m ³ TWA | 3300 ppm |
| Gasoline 86290-81-5 | 300 ppm TWA 500 ppm STEL | - | 300 ppm TWA 900 mg/m ³ TWA 500 ppm STEL 1500 mg/m ³ STEL | - |
| Toluene 108-88-3 | 20 ppm TWA | TWA: 200 ppm Ceiling: 300 ppm | 100 ppm TWA 375 mg/m ³ TWA 150 ppm STEL 560 mg/m ³ STEL | 500 ppm |
| Xylene (mixed isomers) 1330-20-7 | 100 ppm TWA 150 ppm STEL | TWA: 100 ppm TWA: 435 mg/m ³ | 100 ppm TWA 435 mg/m ³ TWA 150 ppm STEL 655 mg/m ³ STEL | 900 ppm |
| 1,2,4-Trimethylbenzene 95-63-6 | 25 ppm TWA | - | 25 ppm TWA 125 mg/m ³ TWA | - |
| Benzene 71-43-2 | 0.5 ppm TWA 2.5 ppm STEL Skin - potential significant contribution to overall exposure by the cutaneous route | TWA: 10 ppm (applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028) TWA: 1 ppm STEL: 5 ppm (see 29 CFR 1910.1028) | 25 ppm Ceiling 1 ppm TWA 5 ppm STEL | 500 ppm |
| n-Hexane 110-54-3 | 50 ppm TWA Skin - potential significant contribution to overall exposure by the cutaneous route | TWA: 500 ppm TWA: 1800 mg/m ³ | 50 ppm TWA 180 mg/m ³ TWA | 1100 ppm |
| Ethylbenzene 100-41-4 | 20 ppm TWA | TWA: 100 ppm TWA: 435 mg/m ³ | 100 ppm TWA 435 mg/m ³ TWA 125 ppm STEL 545 mg/m ³ STEL | 800 ppm |
| Naphthalene 91-20-3 | 10 ppm TWA Skin - potential significant contribution to overall exposure by the cutaneous route | TWA: 10 ppm TWA: 50 mg/m ³ | 10 ppm TWA 50 mg/m ³ TWA 15 ppm STEL 75 mg/m ³ STEL | 250 ppm |

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

Engineering measures: Local or general exhaust required in an enclosed area or when there is inadequate ventilation. Use mechanical ventilation equipment that is explosion-proof.

Personal protective equipment

Eye protection: Use goggles or face-shield if the potential for splashing exists.

Skin and body protection: Use nitrile rubber, viton or PVA gloves for repeated or prolonged skin exposure. Glove suitability is based on workplace conditions and usage. Contact the glove manufacturer for specific advice on glove selection and breakthrough times.

Respiratory protection: Approved organic vapor chemical cartridge or supplied air respirators should be worn for exposures to any components exceeding the established exposure limits. Observe respirator assigned protection factors (APFs) criteria cited in federal OSHA 29 CFR 1910.134. Self-contained breathing apparatus should be used for fire fighting.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|-----------------------|-------------------------|
| Physical State | Liquid |
| Appearance | Clear or Colored Liquid |
| Color | Clear or Colored |
| Odor | Hydrocarbon |
| Odor Threshold | No available data. |

| <u>Property</u> | <u>Values (Method)</u> |
|--|---------------------------|
| Melting Point / Freezing Point | No available data. |
| Initial Boiling Point / Boiling Range | 32-225 °C / 90-437 °F |
| Flash Point | -45.5-12.8 °C / -50-55 °F |
| Evaporation Rate | No available data. |
| Flammability (solid, gas) | Not applicable. |
| Flammability Limit in Air (%) | |
| Upper Flammability Limit: | 19 (ethanol) |
| Lower Flammability Limit: | 1.4 (gasoline) |
| Vapor Pressure | No available data. |
| Vapor Density | No available data. |
| Specific Gravity / Relative Density | 0.70-0.77 |
| Water Solubility | No available data. |
| Solubility in other solvents | No available data. |
| Partition Coefficient | No available data. |
| Decomposition temperature: | No available data. |
| pH: | Not applicable |
| Autoignition Temperature | C.A. 257 °C / 495 °F |
| Kinematic Viscosity | No available data. |
| Dynamic Viscosity | No available data. |
| Explosive Properties | No available data. |
| Softening Point | No available data. |
| VOC Content (%) | 100% |
| Density | 5.9-6.3 lbs/gal |
| Bulk Density | Not applicable. |

10. STABILITY AND REACTIVITY

| | |
|--|--|
| <u>Reactivity</u> | The product is non-reactive under normal conditions. |
| <u>Chemical stability</u> | The material is stable at 70°F, 760 mmHg pressure. |
| <u>Possibility of hazardous reactions</u> | None under normal processing. |
| <u>Hazardous polymerization</u> | Will not occur. |
| <u>Conditions to avoid</u> | Excessive heat, sources of ignition, open flame. |
| <u>Incompatible materials</u> | Strong oxidizing agents. |
| <u>Hazardous decomposition products</u> | None known under normal conditions of use. |

11. TOXICOLOGICAL INFORMATION

Potential short-term adverse effects from overexposures

| | |
|---------------------|---|
| Inhalation | Irritating to the respiratory system. May cause drowsiness or dizziness. Breathing high concentrations of this material in a confined space or by intentional abuse can cause irregular heartbeats which can cause death. |
| Eye contact | Irritating to eyes. |
| Skin contact | Causes skin irritation. Effects may become more serious with repeated or prolonged contact. May be absorbed through the skin in harmful amounts. |
| Ingestion | May be fatal if swallowed or vomited and enters airways. May cause irritation of the mouth, throat and gastrointestinal tract. |

Acute Toxicological data

| Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------------|--------------------|-----------------------|------------------------------------|
| Ethyl Alcohol 64-17-5 | > 5000 mg/kg (Rat) | - | 124.7 mg/L (Rat) 4 h |
| Gasoline 86290-81-5 | 14000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 5.2 mg/L (Rat) 4 h |
| Toluene 108-88-3 | > 2000 mg/kg (Rat) | 8390 mg/kg (Rabbit) | 12.5 mg/L (Rat) 4 h |
| Xylene (mixed isomers) 1330-20-7 | > 2000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 5.04 mg/L (Rat) 4 h |
| 1,2,4-Trimethylbenzene 95-63-6 | 3280 mg/kg (Rat) | > 3160 mg/kg (Rabbit) | 18,000 mg/m ³ (Rat) 4 h |
| Benzene 71-43-2 | > 2000 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | > 20 mg/l (Rat) 4 h |
| n-Hexane 110-54-3 | 15000 mg/kg (Rat) | 3000 mg/kg (Rabbit) | 48000 ppm (Rat) 4 h |
| Ethylbenzene 100-41-4 | > 2000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | 17.2 mg/L (Rat) 4 h |
| Naphthalene 91-20-3 | 490 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 340 mg/m ³ (Rat) 1 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Altered mental state, drowsiness, peripheral motor neuropathy, irreversible brain damage (so-called Petrol Sniffer's Encephalopathy), delirium, seizures, and sudden death have been reported from repeated overexposure to some hydrocarbon solvents, naphthas, and gasoline.

BENZENE: Studies of workers exposed to benzene show clear evidence that overexposure can cause cancer and other diseases of the blood forming organs including Acute Myelogenous Leukemia (AML), and Aplastic Anemia (AA), an often fatal disease. Some studies suggest overexposure to benzene may also be associated with Myelodysplastic Syndrome (MDS). Findings from a case control study of workers exposed to benzene was reported during the 2009 Benzene Symposium in Munich included an increase in Acute Myeloid Leukemias and Non-Hodgkins Lymphoid Neoplasms (NHLN) of the subtype follicular lymphoma (FL) in some occupational categories. Some studies of workers exposed to benzene have shown an association with increased rates of chromosome aberrations in circulating lymphocytes. One study of women workers exposed to benzene suggested a weak association with irregular menstruation. However, other studies of workers exposed to benzene have not demonstrated clear evidence of an effect on fertility or reproductive outcome in humans. Benzene can cross the placenta and affect the developing fetus. Cases of AA have been reported in the offspring of persons severely overexposed to benzene. Studies in laboratory animals indicate that prolonged, repeated exposure to high levels of benzene vapor can cause bone marrow suppression and cancer in multiple organ systems. Studies in laboratory animals show evidence of adverse effects on male reproductive organs following high levels of exposure but no significant effects on reproduction have been observed. Embryotoxicity has been reported in studies of laboratory animals but effects were limited to reduced fetal weight and minor skeletal variations. Benzene has been classified as a proven human carcinogen by OSHA and a Group 1 (Carcinogenic to Humans) material by IARC. The current proposed IARC classification for benzene is summarized as follows: Sufficient evidence for Acute Myeloid Leukemia; limited evidence for Acute Lymphatic Leukemia, Chronic Lymphatic Leukemia, Non-Hodgkin Lymphoma, and Multiple Myeloma.

NAPHTHAS: In a large epidemiological study on over 15,000 employees at several petroleum refineries and amongst residents located near these refineries, no increased risk of kidney cancer was observed in association with gasoline exposures (a similar material). In a similar study, no increased risk of kidney cancer was observed among petroleum refinery workers, but there was a slight trend in the incidence of kidney cancers among service station employees, especially after a 30-year latency period.

ISOPARAFFINS: Studies in laboratory animals have shown that long-term exposure to similar materials (isoparaaffins) 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.

TOLUENE: Case studies of persons abusing toluene suggest isolated incidences of adverse effects on the fetus including birth defects. Abuse of toluene at high concentrations (e.g., glue sniffing and solvent abuse) has been associated with adverse effects on the liver, kidney and nervous system, and can cause CNS depression, cardiac arrhythmias, and death. Studies of workers indicate longterm exposure may be related to impaired color vision and hearing. Some studies of workers suggest longterm exposure may be related to neurobehavioral and cognitive changes. Some of these effects have been observed in laboratory animals following repeated exposure to high levels of toluene. Several studies of workers suggest longterm exposure may be related to small increases in spontaneous abortions and changes in some gonadotropic hormones. However, the weight of evidence does not indicate toluene is a reproductive hazard to humans. Studies in laboratory animals indicate some changes in reproductive organs following high levels of exposure, but no significant effects on mating performance or reproduction were observed. Case studies of persons abusing toluene suggest isolated incidences of adverse effects on the fetus including birth defects. Findings in laboratory animals have been largely negative. Positive findings include small increases in minor skeletal and visceral malformations and developmental delays following very high levels of maternal exposure. Studies of workers indicate long-term exposure may be related to effects on the liver, kidney and blood, but

these appear to be limited to changes in serum enzymes and decreased leukocyte counts. Adverse effects on the liver, kidney, thymus and nervous system were observed in animal studies following very high levels of exposure. The relevance of these findings to humans is not clear at this time.

ETHYLBENZENE: Findings from a 2-year inhalation study in rodents conducted by NTP were as follows: Effects were observed only at the highest exposure level (750 ppm). At this level the incidence of renal tumors was elevated in male rats (tubular carcinomas) and female rats (tubular adenomas). The incidence of tumors was also elevated in male mice (alveolar and bronchiolar carcinomas) and female mice (hepatocellular carcinomas). IARC has classified ethyl benzene as "possibly carcinogenic to humans" (Group 2B). Studies in laboratory animals indicate some evidence of post-implantation deaths following high levels of maternal exposure. The relevance of these findings to humans is not clear at this time. Studies in laboratory animals indicate limited evidence of renal malformations, resorptions, and developmental delays following high levels of maternal exposure with evidence of maternal toxicity. The relevance of these findings to humans is not clear at this time. Studies in laboratory animals have demonstrated evidence of ototoxicity (hearing loss) following exposure levels as low as 300 ppm for 5 days. Studies in laboratory animals indicate some evidence of adverse effects on the liver, kidney, thyroid, and pituitary gland.

XYLENES, ALL ISOMERS: Overexposure to xylene may cause upper respiratory tract irritation, headache, cyanosis, blood serum changes, nervous system damage and narcosis. Effects may be increased by the use of alcoholic beverages. Evidence of liver and kidney impairment were reported in workers recovering from a gross overexposure. Effects from Prolonged or Repeated Exposure: Impaired neurological function was reported in workers exposed to solvents including xylene. Studies in laboratory animals have shown evidence of impaired hearing following high levels of exposure. Studies in laboratory animals suggest some changes in reproductive organs following high levels of exposure but no significant effects on reproduction were observed. Studies in laboratory animals indicate skeletal and visceral malformations, developmental delays, and increased fetal resorptions following extremely high levels of maternal exposure with evidence of maternal toxicity. The relevance of these observations to humans is not clear at this time. Adverse effects on the liver, kidney, bone marrow (changes in blood cell parameters) were observed in laboratory animals following high levels of exposure. The relevance of these observations to humans is not clear at this time.

C9 AROMATIC HYDROCARBONS: A developmental inhalation study was conducted in laboratory mice. Increased implantation losses, reduced fetal weights, delayed ossification and an increased incidence of cleft palate were observed at the highest exposure level (1,500 ppm). This exposure level was extremely toxic to pregnant female mice (44% mortality). Reduced fetal body weights were also observed at 500 ppm. A multi-generation reproduction inhalation study was conducted in laboratory rats. Reductions in pup weights, pup weight gain, litter size, and pup survival were observed at 1,500 ppm, an exposure level at which significant maternal toxicity was observed. Reduced pup weight gain was also observed at 500 ppm.

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.

N-HEXANE: Long-term or repeated exposure to n-hexane can cause peripheral nerve damage. Initial symptoms are numbness of the fingers and toes. Also, motor weakness can occur in the digits, but may also involve muscles of the arms, thighs and forearms. The onset of these symptoms may be delayed for several months to a year after the beginning of exposure. Testicular atrophy and partial to full loss of the germ cell line were observed in sub-chronic high-dose inhalation studies of laboratory rodents. These effects appeared irreversible. Rodent reproduction studies have shown evidence of reduced fetal weight but no frank malformations.

PENTANES: Studies of pentane isomers in laboratory animals indicate exposure to extremely high levels (roughly 10 vol.%) may induce cardiac arrhythmias (irregular heartbeats) which may be serious or fatal.

ETHANOL: Repeated ingestion of ethanol can result in alcohol abuse, causing behavioral changes, memory loss, impaired judgement, decreased appetite, irregular heartbeats, and decreased fertility. Prolonged and repeated ingestion of ethanol has also been associated with cancers of the mouth, pharynx, esophagus and liver. Ethanol ingestion by pregnant women can cause miscarriage, low birth weight, premature birth and fetal alcohol syndrome. In males, acute and chronic alcohol ingestion may affect gonadal hormone levels. It may also affect the liver, kidney, brain, blood and cardiovascular system.

CARBON MONOXIDE: is a chemical asphyxiant with no warning properties (such as odor). At 400-500 ppm for 1 hour headache and dyspnea may occur. If activity is increased, symptoms of overexposure may include nausea, irritability, increased respiration, tinnitus, sweating, chest pain, confusion, impaired judgement, dizziness, weakness, drowsiness, ataxia, irregular heart beat, cyanosis and pallor. Levels in excess of 1000 ppm can result in collapse, loss of consciousness, respiratory failure and death. Extremely high concentrations (12,800 ppm) can cause immediate unconsciousness and death in 1-3 minutes. Repeated anoxia can lead to central nervous system damage and peripheral neuropathy, with loss of sensation in the fingers, amnesia, and mental deterioration and possible congestive heart failure. Damage may also occur to the fetus, lung, liver, kidney, spleen, cardiovascular system and other organs.

COMBUSTION 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.

Adverse effects related to the physical, chemical and toxicological characteristics

Signs & Symptoms Nausea, vomiting, signs of nervous system depression: headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue.

Sensitization Not expected to be a skin or respiratory sensitizer.

Mutagenic effects May cause genetic defects.

Carcinogenicity Cancer designations are listed in the table below.

| Name | ACGIH (Class) | IARC (Class) | NTP | OSHA |
|-------------------------------------|----------------------------------|---|---|------------|
| Ethyl Alcohol 64-17-5 | Confirmed animal carcinogen (A3) | Carcinogenic (1) Alcoholic Beverages | Known to be human carcinogen - Alcoholic Beverage Consumption | Not Listed |
| Gasoline 86290-81-5 | Confirmed animal carcinogen (A3) | Possibly Carcinogenic (2B) | Not Listed | Not Listed |
| Toluene 108-88-3 | Not Classifiable (A4) | Not Classifiable (3) | Not Listed | Not Listed |
| Xylene (mixed isomers) 1330-20-7 | Not Classifiable (A4) | Not Classifiable (3) | Not Listed | Not Listed |

| | | | | |
|-----------------------------------|-------------------------------------|-----------------------------------|--|------------------|
| 1,2,4-Trimethylbenzene 95-63-6 | Not Listed | Not Listed | Not Listed | Not Listed |
| Benzene 71-43-2 | Confirmed human carcinogen (A1) | Carcinogenic to humans (1) | Known to be human carcinogen | Known carcinogen |
| n-Hexane 110-54-3 | Not Listed | Not Listed | Not Listed | Not Listed |
| Ethylbenzene 100-41-4 | Confirmed animal carcinogen (A3) | Possible human carcinogen (2B) | Not Listed | Not Listed |
| Naphthalene 91-20-3 | Confirmed animal carcinogen (A3) | Possible human carcinogen (2B) | Reasonably anticipated to be a human carcinogen | Not Listed |

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (STOT) - single exposure Respiratory system. Central nervous system.

Specific Target Organ Toxicity (STOT) - repeated exposure Not classified.

Aspiration hazard May be fatal if swallowed or vomited and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity This product should be considered toxic to aquatic organisms, with the potential to cause long lasting adverse effects in the aquatic environment.

| Name | Algae/aquatic plants | Fish | Toxicity to Microorganisms | Crustacea |
|-------------------------------------|------------------------------------|--|----------------------------|--|
| Ethyl Alcohol 64-17-5 | - | 96-hr LC50 >1,000 mg/l Rainbow Trout (static) 96-hr LC50 >100 mg/l Fathead minnow (static) | - | 48-hr LC50 >1,000 mg/l Daphnia magna |
| Gasoline 86290-81-5 | 72-hr EC50 = 56 mg/l Algae | 96-hr LC50 = 11 mg/l Rainbow trout (static) | - | 48-hr LC50 = 7.6 mg/l Daphnia magna |
| Toluene 108-88-3 | 72-hr EC50 = 12.5 mg/l Algae | 96-hr LC50 <= 10 mg/l Rainbow trout | - | 48-hr EC50 = 5.46-9.83 mg/l Daphnia magna 48-hr EC50 = 11.5 mg/l Daphnia magna (Static) |
| Xylene (mixed isomers) 1330-20-7 | 72-hr EC50 = 11 mg/l Algae | 96-hr LC50 = 8 mg/l Rainbow trout | - | 48-hr LC50 = 3.82 mg/l Daphnia magna |
| 1,2,4-Trimethylbenzene 95-63-6 | - | 96-hr LC50 = 7.19-8.28 mg/l Fathead minnow (flow-through) | - | 48-hr EC50 = 6.14 mg/L Daphnia magna |
| Benzene 71-43-2 | 72-hr EC50 = 29 mg/l Algae | 96-hr LC50 = 5.3 mg/l Rainbow trout (flow-through) | - | 48-hr EC50 = 8.76-15.6 mg/l Daphnia magna (Static) |
| n-Hexane 110-54-3 | - | 96-hr LC50 = 2.5 mg/l Fathead minnow | - | - |
| Ethylbenzene 100-41-4 | 72-hr EC50 = 1.7-7.6 mg/l Algae | 96-hr LC50 = 4 mg/L Rainbow trout | - | 48-hr EC50 = 1-4 mg/L Daphnia magna |
| Naphthalene 91-20-3 | - | 96-hr LC50 = 0.91-2.82 mg/l Rainbow trout (static) 96-hr LC50 = 1.99 mg/l Fathead minnow (static) | - | 48-hr LC50 = 1.6 mg/l Daphnia magna |

Persistence and degradability Expected to be inherently biodegradable. The presence of ethanol in this product may impede the biodegradation of benzene, toluene, ethylbenzene and xylene in groundwater, resulting in elongated plumes of these constituents.

Bioaccumulation Has the potential to bioaccumulate.

Mobility in soil May partition into air, soil and water.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Description of Waste Residues

This material may be a flammable liquid waste.

Safe Handling of Wastes

Handle in accordance with applicable local, state, and federal regulations. Use personal protection measures as required. Use appropriate grounding and bonding practices. Use only non-sparking tools. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. No smoking.

Disposal of Wastes / Methods of Disposal

The user is responsible for determining if any discarded material is a hazardous waste (40 CFR 262.11). Dispose of in accordance with federal, state and local regulations.

Methods of Contaminated Packaging Disposal

Empty containers should be completely drained and then discarded or recycled, if possible. Do not cut, drill, grind or weld on empty containers since explosive residues may be present. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (49 CFR 172.101):

| | |
|------------------------------------|------------------------------|
| UN Proper shipping name: | Ethanol and Gasoline Mixture |
| UN/Identification No: | UN 3475 |
| Transport Hazard Class(es): | 3 |
| Packing group: | II |

TDG (Canada):

| | |
|------------------------------------|------------------------------|
| UN Proper shipping name: | Ethanol and Gasoline Mixture |
| UN/Identification No: | UN 3475 |
| Transport Hazard Class(es): | 3 |
| Packing group: | II |

15. REGULATORY INFORMATION

US Federal Regulatory Information:

| | |
|--|---|
| US TSCA Chemical Inventory Section 8(b): | This product and/or its components are listed on the TSCA Chemical Inventory. |
|--|---|

EPA Superfund Amendment & Reauthorization Act (SARA):

SARA Section 302: This product does not contain any component(s) included on EPA's Extremely Hazardous Substance (EHS) List.

| Name | CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs |
|------------------------|---|
| Ethyl Alcohol | NA |
| Gasoline | NA |
| Toluene | NA |
| Xylene (mixed isomers) | NA |
| 1,2,4-Trimethylbenzene | NA |
| Benzene | NA |
| n-Hexane | NA |
| Ethylbenzene | NA |
| Naphthalene | NA |

SARA Section 304: This product may contain 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 |
|------------------------|--|
| Ethyl Alcohol | NA |
| Gasoline | NA |
| Toluene | 1000 lb final RQ 454 kg final RQ |
| Xylene (mixed isomers) | 100 lb final RQ 45.4 kg final RQ |
| 1,2,4-Trimethylbenzene | NA |
| Benzene | 10 lb final RQ 4.54 kg final RQ |
| n-Hexane | 5000 lb final RQ 2270 kg final RQ |
| Ethylbenzene | 1000 lb final RQ 454 kg final RQ |
| Naphthalene | 100 lb final RQ 45.4 kg final RQ |

SARA: The following EPA hazard categories apply to this product:

- Acute Health Hazard
- Chronic Health Hazard
- Fire Hazard

SARA Section 313: This product may contain component(s), which if in exceedance of the de minimus threshold, may be subject to the reporting requirements of SARA Title III Section 313 Toxic Release Reporting (Form R).

| Name | CERCLA/SARA 313 Emission reporting: |
|------------------------|-------------------------------------|
| Ethyl Alcohol | None |
| Gasoline | None |
| Toluene | 1.0 % de minimis concentration |
| Xylene (mixed isomers) | 1.0 % de minimis concentration |
| 1,2,4-Trimethylbenzene | None |
| Benzene | 0.1 % de minimis concentration |
| n-Hexane | 1.0 % de minimis concentration |
| Ethylbenzene | 0.1 % 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:

| | |
|---|--|
| Ethyl Alcohol | |
| Louisiana Right-To-Know: | Not Listed. |
| California Proposition 65: | Carcinogen, initial date 4/29/11 (in alcoholic beverages) Carcinogen, initial date 7/1/88 (when associated with alcohol abuse) Developmental toxicity, initial date 10/1/87 (in alcoholic beverages) |
| New Jersey Right-To-Know: | SN 0844 |
| Pennsylvania Right-To-Know: | Present |
| Massachusetts Right-To Know: | Teratogen |
| Florida Substance List: | Not Listed. |
| Rhode Island Right-To-Know: | Toxic; Flammable |
| Michigan Critical Materials Register List: | Not Listed. |
| Massachusetts Extraordinarily Hazardous Substances: | Not Listed. |
| California - Regulated Carcinogens: | Not Listed. |

| | |
|---|---|
| Pennsylvania RTK - Special Hazardous Substances: | Not Listed. |
| New Jersey - Special Hazardous Substances: | Carcinogen; Flammable - third degree; Mutagen; Teratogen |
| New Jersey - Environmental Hazardous Substances List: | Not Listed. |
| Illinois - Toxic Air Contaminants | Present |
| New York - Reporting of Releases Part 597 - List of Hazardous Substances: | Not Listed. |
| Gasoline | |
| Louisiana Right-To-Know: | Not Listed. |
| California Proposition 65: | Not Listed. |
| New Jersey Right-To-Know: | SN 0957 |
| Pennsylvania Right-To-Know: | Present |
| Massachusetts Right-To Know: | Present |
| Florida Substance List: | Not Listed. |
| Rhode Island Right-To-Know: | Not Listed. |
| Michigan Critical Materials Register List: | Not Listed. |
| Massachusetts Extraordinarily Hazardous Substances: | Not Listed. |
| California - Regulated Carcinogens: | Not Listed. |
| Pennsylvania RTK - Special Hazardous Substances: | Not Listed. |
| New Jersey - Special Hazardous Substances: | Carcinogen; Flammable - third degree |
| New Jersey - Environmental Hazardous Substances List: | SN 0957 TPQ: 10000 lb (Under N.J.A.C. 7:1G, environmental hazardous substances in mixtures such as gasoline or new and used petroleum oil may be reported under these categories) |
| Illinois - Toxic Air Contaminants | Present |
| New York - Reporting of Releases Part 597 - List of Hazardous Substances: | Not Listed. |
| Toluene | |
| Louisiana Right-To-Know: | Not Listed. |
| California Proposition 65: | Developmental toxicity, initial date 1/1/91 Female reproductive toxicity, initial date 8/7/09 |
| New Jersey Right-To-Know: | SN 1866 |
| Pennsylvania Right-To-Know: | Environmental hazard |
| Massachusetts Right-To Know: | Present |
| Florida Substance List: | Not Listed. |
| Rhode Island Right-To-Know: | Toxic (skin); Flammable (skin) |
| Michigan Critical Materials Register List: | 100 lb Annual usage threshold |
| Massachusetts Extraordinarily Hazardous Substances: | Not Listed. |
| California - Regulated Carcinogens: | Not Listed. |
| Pennsylvania RTK - Special Hazardous Substances: | Not Listed. |
| New Jersey - Special Hazardous Substances: | Flammable - third degree; Teratogen |
| New Jersey - Environmental Hazardous Substances List: | SN 1866 TPQ: 500 lb |
| Illinois - Toxic Air Contaminants | Present |
| New York - Reporting of Releases Part 597 - List of Hazardous Substances: | 1000 lb RQ (air); 1 lb RQ (land/water) |
| Xylene (mixed isomers) | |
| Louisiana Right-To-Know: | Not Listed. |
| California Proposition 65: | Not Listed. |
| New Jersey Right-To-Know: | SN 2014 |
| Pennsylvania Right-To-Know: | Environmental hazard |
| Massachusetts Right-To Know: | Present |
| Florida Substance List: | Not Listed. |
| Rhode Island Right-To-Know: | Toxic (skin); Flammable (skin) |
| Michigan Critical Materials Register List: | 100 lb Annual usage threshold all isomers |
| Massachusetts Extraordinarily Hazardous Substances: | Not Listed. |
| California - Regulated Carcinogens: | Not Listed. |
| Pennsylvania RTK - Special Hazardous Substances: | Not Listed. |

| | |
|---|--|
| New Jersey - Special Hazardous Substances: | Flammable - third degree |
| New Jersey - Environmental Hazardous Substances List: | SN 2014 TPQ: 500 lb |
| Illinois - Toxic Air Contaminants | Present |
| New York - Reporting of Releases Part 597 - List of Hazardous Substances: | 1000 lb RQ (air); 1 lb RQ (land/water) |
| 1,2,4-Trimethylbenzene | |
| Louisiana Right-To-Know: | Not Listed. |
| California Proposition 65: | Not Listed. |
| New Jersey Right-To-Know: | SN 1929 |
| Pennsylvania Right-To-Know: | Present |
| Massachusetts Right-To Know: | Present |
| Florida Substance List: | Not Listed. |
| Rhode Island Right-To-Know: | Toxic |
| Michigan Critical Materials Register List: | Not Listed. |
| Massachusetts Extraordinarily Hazardous Substances: | Not Listed. |
| California - Regulated Carcinogens: | Not Listed. |
| Pennsylvania RTK - Special Hazardous Substances: | Not Listed. |
| New Jersey - Special Hazardous Substances: | Not Listed. |
| New Jersey - Environmental Hazardous Substances List: | Not Listed. |
| Illinois - Toxic Air Contaminants | Present |
| New York - Reporting of Releases Part 597 - List of Hazardous Substances: | Not Listed. |
| Benzene | |
| Louisiana Right-To-Know: | Not Listed. |
| California Proposition 65: | Carcinogen, initial date 2/27/87 Developmental toxicity, initial date 12/26/97 Male reproductive toxicity, initial date 12/26/97 |
| New Jersey Right-To-Know: | SN 0197 |
| Pennsylvania Right-To-Know: | Environmental hazard; Special hazardous substance |
| Massachusetts Right-To Know: | Carcinogen; Extraordinarily hazardous |
| Florida Substance List: | Not Listed. |
| Rhode Island Right-To-Know: | Toxic (skin); Flammable (skin); Carcinogen (skin) |
| Michigan Critical Materials Register List: | 100 lb Annual usage threshold |
| Massachusetts Extraordinarily Hazardous Substances: | Carcinogen; Extraordinarily hazardous |
| California - Regulated Carcinogens: | Not Listed. |
| Pennsylvania RTK - Special Hazardous Substances: | Present |
| New Jersey - Special Hazardous Substances: | Carcinogen; Flammable - third degree; Mutagen |
| New Jersey - Environmental Hazardous Substances List: | SN 0197 TPQ: 500 lb |
| Illinois - Toxic Air Contaminants | Present |
| New York - Reporting of Releases Part 597 - List of Hazardous Substances: | 10 lb RQ (air); 1 lb RQ (land/water) |
| n-Hexane | |
| Louisiana Right-To-Know: | Not Listed. |
| California Proposition 65: | Not Listed. |
| New Jersey Right-To-Know: | SN 1340 |
| Pennsylvania Right-To-Know: | Present |
| Massachusetts Right-To Know: | Present |
| Florida Substance List: | Not Listed. |
| Rhode Island Right-To-Know: | Toxic; Flammable |
| Michigan Critical Materials Register List: | Not Listed. |
| Massachusetts Extraordinarily Hazardous Substances: | Not Listed. |
| California - Regulated Carcinogens: | Not Listed. |
| Pennsylvania RTK - Special Hazardous Substances: | Not Listed. |
| New Jersey - Special Hazardous Substances: | Flammable - third degree |

New Jersey - Environmental Hazardous Substances List: SN 1340 TPQ: 500 lb
 Illinois - Toxic Air Contaminants Present
 New York - Reporting of Releases Part 597 - List of Hazardous Substances: 1 lb RQ (air); 1 lb RQ (land/water)
 Ethylbenzene
 Louisiana Right-To-Know: Not Listed.
 California Proposition 65: Carcinogen, initial date 6/11/04
 New Jersey Right-To-Know: SN 0851
 Pennsylvania Right-To-Know: Environmental hazard
 Massachusetts Right-To Know: Present
 Florida Substance List: Not Listed.
 Rhode Island Right-To-Know: Toxic; Flammable
 Michigan Critical Materials Register List: Not Listed.
 Massachusetts Extraordinarily Hazardous Substances: Not Listed.
 California - Regulated Carcinogens: Not Listed.
 Pennsylvania RTK - Special Hazardous Substances: Not Listed.
 New Jersey - Special Hazardous Substances: Carcinogen; flammable - Third degree
 New Jersey - Environmental Hazardous Substances List: SN 0851 TPQ: 500 lb
 Illinois - Toxic Air Contaminants Present
 New York - Reporting of Releases Part 597 - List of Hazardous Substances: 1000 lb RQ (air); 1 lb RQ (land/water)
 Naphthalene
 Louisiana Right-To-Know: Not Listed.
 California Proposition 65: Carcinogen, initial date 4/19/02
 New Jersey Right-To-Know: SN 1322 SN 3758
 Pennsylvania Right-To-Know: Environmental hazard Present (particulate)
 Massachusetts Right-To Know: Present
 Florida Substance List: Not Listed.
 Rhode Island Right-To-Know: Toxic; Flammable
 Michigan Critical Materials Register List: Not Listed.
 Massachusetts Extraordinarily Hazardous Substances: Not Listed.
 California - Regulated Carcinogens: Not Listed.
 Pennsylvania RTK - Special Hazardous Substances: Not Listed.
 New Jersey - Special Hazardous Substances: Carcinogen
 New Jersey - Environmental Hazardous Substances List: SN 1322 TPQ: 500 lb (Reportable at the de minimis quantity of >0.1%)
 Illinois - Toxic Air Contaminants Present
 New York - Reporting of Releases Part 597 - List of Hazardous Substances: 100 lb RQ (air); 1 lb RQ (land/water)

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

Canadian Regulatory Information: "This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the (M)SDS contains all the information required by the Controlled Products Regulations."

| Name | Canada - WHMIS: Classifications of Substances: | Canada - WHMIS: Ingredient Disclosure: |
|------------------------|--|--|
| Ethyl Alcohol | B2,D2B | 0.1% |
| Gasoline | B2,D2A,D2B | 0.1% |
| Toluene | B2,D2A,D2B | 0.1% |
| Xylene (mixed isomers) | B2,D2A,D2B | m-, o-isomers 1.0%; p-isomer 0.1% |
| 1,2,4-Trimethylbenzene | B3,D2B | 1% |
| Benzene | B2,D2A,D2B | 0.1% |
| n-Hexane | B2,D2A,D2B | 1% |

| | | |
|--------------|------------|------|
| Ethylbenzene | B2,D2A,D2B | 0.1% |
| Naphthalene | B4,D2A | 0.1% |



NOTE: Not Applicable.

16. OTHER INFORMATION

Prepared By Toxicology and Product Safety
Revision Date: 05/21/2015

Revision Note:

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is intended as guidance for safe handling, use, processing, storage, transportation, accidental release, clean-up and disposal and is not considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.