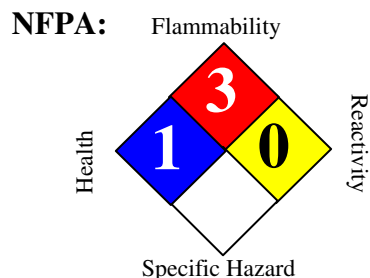


# Material Safety Data Sheet

## TransMix



**HMIS III:**

HEALTH	1
FLAMMABILITY	3
PHYSICAL	0

0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	:	TransMix			
<b>Synonyms</b>	:	Petroleum distillates, TransMix, 888100005304			
<b>MSDS Number</b>	:	888100005304	<b>Version</b>	:	1.4
<b>Product Use Description</b>	:	Intermediate Stream - Mixture of refined petroleum products generated by distribution			
<b>Company</b>	:	For: Tesoro Refining & Marketing Co. 19100 Ridgewood Parkway, San Antonio, TX 78259			
<b>Tesoro Call Center</b>	:	(877) 783-7676	<b>Chemtrec (Emergency Contact)</b>	:	(800) 424-9300

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

<b>Regulatory status</b>	:	This material is considered hazardous by the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).
<b>Signal Word</b>	:	DANGER
<b>Hazard Summary</b>	:	Flammable or combustible liquid. Slight to moderate irritant. Affects central nervous system. Harmful or fatal if swallowed. May contain benzene. Repeated and prolonged skin contact may cause skin cancer.

#### Potential Health Effects

<b>Eyes</b>	:	May cause irritation, experienced as mild discomfort and seen as slight excess redness of the eye.
<b>Skin</b>	:	Brief contact may cause slight irritation. Skin irritation leading to dermatitis may occur upon prolonged or repeated contact. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are repeatedly exposed. Long-term, repeated skin contact may cause skin cancer.
<b>Ingestion</b>	:	Aspiration hazard if liquid is inhaled into lungs, particularly from vomiting after ingestion. Aspiration may result in chemical pneumonia, severe lung damage, respiratory failure and even death. Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death may occur.

**Inhalation** : Inhalation of fumes or mist may result in respiratory tract irritation and central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

**Chronic Exposure** : Prolonged or repeated over-exposures to vapor may cause liver and kidney damage. Prolonged and repeated over-exposure to benzene, a possible component, may cause injury to blood-forming organs and is linked to the development of one form of leukemia.

**Target Organs** : Eyes, Liver, Skin, Kidney, Central nervous system, Respiratory system, Blood, Bone marrow

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Weight %
Mixed Refined Petroleum Hydrocarbons	N / A	100%
Fuels, diesel, No 2; Gasoil - unspecified	68476-34-6	1 - 99%
Gasoline	86290-81-5	1 – 99%
Naphthalene	91-20-3	0 - 1%
Nonane	111-84-2	0 - 1%
Octane [and isomers]	540-84-1	0 - 1%
Ethylbenzene	100-41-4	0 – 2%
Toluene	108-88-3	0 – 2%
Cumene	98-82-8	0 - 1%
Xylene	1330-20-7	0 - 1%
Benzene	71-43-2	0 - 1%
n-Hexane	110-54-3	0 - 0.5%
1,2,4-Trimethylbenzene	95-63-6	0 - 0.5%
Cyclohexane	110-82-7	0 - 0.5%

**SECTION 4. FIRST AID MEASURES**

**Inhalation** : Move to fresh air. If not breathing, give artificial respiration. Seek medical attention immediately.

**Skin contact** : Wash off with soap and water. Take off all contaminated clothing immediately. Wash contaminated clothing before re-use. Contaminated leather must be discarded. Seek medical attention if symptoms persist.

**Eye contact** : Rinse thoroughly with plenty of water, also under the eyelids. Seek medical attention if symptoms persist.

**Ingestion** : If vomiting does occur naturally, keep head below the hips to reduce the risks of aspiration. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Seek medical attention immediately.

## SECTION 5. FIRE-FIGHTING MEASURES

**Form** : Liquid

**Flash point** : May be less than 100 °F for variable component mixture

**Lower explosive limit** : 1 % (V) estimated for variable mixture

**Upper explosive limit** : 5 % (V) estimated for variable mixture

**Suitable extinguishing media** : Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical, Water spray

**Specific hazards during fire fighting** : Cool tanks, shells, and containers exposed to fire and excessive heat with water. If spill or leak has not ignited, determine if water spray may assist in dispersing gas or vapor to protect personnel attempting to stop leak.

**Special protective equipment for fire-fighters** : Firefighters should wear self-contained breathing apparatus and full protective clothing as need for protection from heat and airborne combustion products. Withdraw immediately from the area if there is a rising sound from a venting safety device or discoloration of vessels, tanks, or pipelines.

**Further information** : Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** : Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to contain spill areas.

**Environmental precautions** : Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material.

**Methods for cleaning up** : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

**Additional advice** : Inform the responsible authorities in case of leakage, or of entry into waterways, soil or drains. In case of accident or road spill notify CHEMTREC (800) 424-9300. U.S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802.

## SECTION 7. HANDLING AND STORAGE

**Handling** : Keep away from fire, sparks and heated surfaces. No smoking near areas where material is stored or handled. The product should only be stored and handled in areas with intrinsically safe electrical classification.

**Advice on protection against fire and explosion**

Hydrocarbon liquids including this product can act as a non-conductive flammable liquid (or static accumulators), and may form ignitable vapor-air mixtures in storage tanks or other containers. Precautions to prevent static-initated fire or explosion during transfer, storage or handling, include but are not limited to these examples:

- (1) Ground and bond containers during product transfers. Grounding and bonding may not be adequate protection to prevent ignition or explosion of hydrocarbon liquids and vapors that are static accumulators.
- (2) Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when higher flash point material (such as fuel oil or diesel) is loaded into tanks previously containing low flash point products (such as gasoline or naphtha).
- (3) Storage tank level floats must be effectively bonded.

For more information on precautions to prevent static-initated fire or explosion, see NFPA 77, Recommended Practice on Static Electricity (2007), and API Recommended Practice 2003, Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents (2008).

**Requirements for storage areas and containers**

- : Keep away from flame, sparks, excessive temperatures and open flame. Use approved containers. Keep containers closed and clearly labeled. Empty or partially full product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose containers to sources of ignition. Store in a well-ventilated area. The storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks".

**Further information on storage conditions**

- : Consider appropriate respiratory protection (see Section 8). Stand upwind. Avoid vapors when opening hatches and dome covers. Confined spaces should be ventilated prior to entry.  
The product should only be used in areas where electrical classification meets the product rating for this product, i.e. intrinsically safe. Ground and bond containers during product transfers to reduce the possibility of static-initated fire or explosion. Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when higher flash point material (such as fuel oil) is loaded into tanks previously containing low flash point products - see API Publication 2003, "Protection Against Ignitions Arising Out Of Static, Lightning and Stray Currents."

**Advice on common storage**

Keep away from food, drink and animal feed. Incompatible with oxidizing agents. Incompatible with acids.

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

**Exposure Guidelines**

List	Components	CAS-No.	Type:	Value
OSHA	Benzene	71-43-2	REF	29 CFR 1910.1028
		71-43-2	TWA	1 ppm
		71-43-2	STEL	5 ppm
		71-43-2	OSHA_AL	0.5 ppm
OSHA Z1	Octane [and isomers]	540-84-1	PEL	500 ppm 2,350 mg/m3

	Ethylbenzene	100-41-4	PEL	100 ppm    435 mg/m3
	Cumene	98-82-8	PEL	50 ppm    245 mg/m3
	Xylene	1330-20-7	PEL	100 ppm    435 mg/m3
	Naphthalene	91-20-3	PEL	10 ppm    50 mg/m3
	n-Hexane	110-54-3	PEL	500 ppm    1,800 mg/m3
	Cyclohexane	110-82-7	PEL	300 ppm    1,050 mg/m3
<b>ACGIH</b>	Diesel Fuel	68476-30-2	TWA	100 mg/m3
	Gasoline	86290-81-5	TWA	300 ppm    890 mg/m3
	Octane [and isomers]	540-84-1	TWA	300 ppm
	Ethylbenzene	100-41-4	TWA	100 ppm
		100-41-4	STEL	125 ppm
	Toluene	108-88-3	TWA	50 ppm
	Cumene	98-82-8	TWA	50 ppm
	Xylene	1330-20-7	TWA	100 ppm
		1330-20-7	STEL	150 ppm
	Benzene	71-43-2	TWA	0.5 ppm
		71-43-2	STEL	2.5 ppm
	Naphthalene	91-20-3	TWA	10 ppm
	n-Hexane	110-54-3	TWA	50 ppm
	Cyclohexane	110-82-7	TWA	100 ppm

**Engineering measures** : Use adequate ventilation to keep gas and vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Eye protection** : Goggles and face shield as needed to prevent eye and face contact.

**Hand protection** : Gloves constructed of nitrile or neoprene are recommended. Consult manufacturer specifications for further information.

**Skin and body protection** : Chemical protective clothing such as DuPont TyChem®, Barricade or equivalent, recommended based on degree of exposure. Flame resistant clothing such as Nomex® is recommended in areas where material is stored or handled.

**Respiratory protection** : Protection provided by air-purifying respirators is limited. Use a NIOSH/MSHA-approved positive-pressure supplied-air respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection. Refer to OSHA 29 CFR 1910.134, ANSI Z88.2-1992, NIOSH Respirator Decision Logic, and the manufacturer for additional guidance on respiratory protection selection.

**Work / Hygiene practices** : Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use solvents or harsh abrasive skin cleaners for washing this product from exposed skin areas. Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form** : Liquid  
**Appearance** : Clear to dark brown  
**Odor** : Petroleum distillate  
**Flash point** : May be less than 100 °F, depending on variable components  
**Lower explosive limit** : 1 % (V) estimated for variable mixture  
**Upper explosive limit** : 5 % (V) estimated for variable mixture  
**Percent Volatiles** : 100 %  
**Conductivity (conductivity can be reduced by environmental factors such as a decrease in temperature)** : Hydrocarbon liquids without static dissipater additive may have conductivity below 1 picoSiemens per meter (pS/m). The highest electro-static ignition risks are associated with "ultra-low conductivities" below 5 pS/m. See Section 7 for sources of information on defining safe loading and handling procedures for low conductivity products.

**SECTION 10. STABILITY AND REACTIVITY**

**Conditions to avoid** : Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources.  
**Materials to avoid** : Oxidizing agents. Strong acids and strong bases. Peroxides.  
**Hazardous decomposition products** : Carbon monoxide, carbon dioxide and noncombusted hydrocarbons (smoke).  
**Hazardous reactions** : Hazardous polymerization does not occur. Note: Stable

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Carcinogenicity**  
**NTP** : Benzene (CAS-No.: 71-43-2)  
           Naphthalene (CAS-No.: 91-20-3)  
**IARC** : Ethylbenzene (CAS-No.: 100-41-4)  
           Benzene (CAS-No.: 71-43-2)  
           Naphthalene (CAS-No.: 91-20-3)  
**OSHA** : Benzene (CAS-No.: 71-43-2)  
**CA Prop 65** : WARNING! This product contains a chemical known to the State of California to

cause cancer.  
 Ethylbenzene (CAS-No.: 100-41-4)  
 Benzene (CAS-No.: 71-43-2)  
 Naphthalene (CAS-No.: 91-20-3)

**Further information** : This product may contain benzene. Human health studies indicate that prolonged and/or repeated overexposure to benzene may cause damage to the blood-forming system (particularly bone marrow), and serious blood disorders such as aplastic anemia and leukemia. Benzene is listed as a human carcinogen by the NTP, IARC, OSHA and ACGIH. Acute toxicity of benzene results primarily from depression of the central nervous system (CNS). Inhalation of concentrations over 50 ppm can produce headache, lassitude, weariness, dizziness, drowsiness, or excitation. Exposure to very high levels can result in unconsciousness and death.

**Component:**

<b>Fuels, diesel, No 2; Gasoil - unspecified</b>	68476-34-6	<p><u>Acute oral toxicity:</u> LD50 rat Dose: 5,001 mg/kg</p> <p><u>Acute dermal toxicity:</u> LD50 rabbit Dose: 2,001 mg/kg</p> <p><u>Acute inhalation toxicity:</u> LC50 rat Dose: 7.64 mg/l Exposure time: 4 h</p> <p><u>Skin irritation:</u> Classification: Irritating to skin. Result: Severe skin irritation</p> <p><u>Eye irritation:</u> Classification: Irritating to eyes. Result: Mild eye irritation</p>
<b>Gasoline, natural; Low boiling point naphtha</b>	8006-61-9	<p><u>Acute oral toxicity:</u> LD50 rat Dose: 18.8 mg/kg</p> <p><u>Acute inhalation toxicity:</u> LC50 rat Dose: 20.7 mg/l Exposure time: 4 h</p> <p><u>Skin irritation:</u> Classification: Irritating to skin. Result: Mild skin irritation</p> <p><u>Eye irritation:</u> Classification: Irritating to eyes. Result: Moderate eye irritation</p>
<b>Naphthalene</b>	91-20-3	<p><u>Acute oral toxicity:</u> LD50 rat Dose: 2,001 mg/kg</p> <p><u>Acute dermal toxicity:</u> LD50 rat Dose: 2,501 mg/kg</p> <p><u>Acute inhalation toxicity:</u> LC50 rat Dose: 101 mg/l Exposure time: 4 h</p> <p><u>Skin irritation:</u> Classification: Irritating to skin. Result: Mild skin irritation</p> <p><u>Eye irritation:</u> Classification: Irritating to eyes. Result: Mild eye irritation</p> <p><u>Carcinogenicity:</u> N11.00422130</p>
<b>Octane [and isomers]</b>	540-84-1	<p><u>Acute oral toxicity:</u> LD50 rat Dose: 2,001 mg/kg</p> <p><u>Acute inhalation toxicity:</u> LC50 rat Dose: 24.3 mg/l</p>

Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.  
Result: Mild skin irritation

Eye irritation: Classification: Irritating to eyes.  
Result: Mild eye irritation.

**Ethylbenzene**

100-41-4

Acute oral toxicity: LD50 rat  
Dose: 3,500 mg/kg

Acute dermal toxicity: LD50 rabbit  
Dose: 15,500 mg/kg

Acute inhalation toxicity: LC50 rat  
Dose: 18 mg/l  
Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.  
Result: Mild skin irritation

Eye irritation: Classification: Irritating to eyes.  
Result: Risk of serious damage to eyes.

**Toluene**

108-88-3

Acute oral toxicity: LD50 rat  
Dose: 636 mg/kg

Acute dermal toxicity: LD50 rabbit  
Dose: 12,124 mg/kg

Acute inhalation toxicity: LC50 rat  
Dose: 49 mg/l  
Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.  
Result: Mild skin irritation  
Prolonged skin contact may defat the skin and produce dermatitis.

Eye irritation: Classification: Irritating to eyes.  
Result: Mild eye irritation.

**Cumene**

98-82-8

Acute oral toxicity: LD50 rat  
Dose: 1,400 mg/kg

Acute dermal toxicity: LD50 rabbit  
Dose: 12,300 mg/kg

Skin irritation: Classification: Irritating to skin.  
Result: Mild skin irritation

Eye irritation: Classification: Irritating to eyes.  
Result: Mild eye irritation.

**Xylene**

1330-20-7

Acute oral toxicity: LD50 rat  
Dose: 2,840 mg/kg

Acute dermal toxicity: LD50 rabbit  
Dose: ca. 4,500 mg/kg

Acute inhalation toxicity: LC50 rat  
Dose: 6,350 mg/l  
Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.  
Result: Mild skin irritation

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Eye irritation: Classification: Irritating to eyes.  
Result: Mild eye irritation.

<b>Benzene</b>	71-43-2	<p><u>Acute oral toxicity:</u> LD50 rat Dose: 930 mg/kg</p> <p><u>Acute inhalation toxicity:</u> LC50 rat Dose: 44 mg/l Exposure time: 4 h</p> <p><u>Skin irritation:</u> Classification: Irritating to skin. Result: Mild skin irritation Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.</p> <p><u>Eye irritation:</u> Classification: Irritating to eyes. Result: Risk of serious damage to eyes.</p>
<b>n-Hexane</b>	110-54-3	<p><u>Acute oral toxicity:</u> LD50 rat Dose: 25,000 mg/kg</p> <p><u>Acute dermal toxicity:</u> LD50 rabbit Dose: 2,001 mg/kg</p> <p><u>Acute inhalation toxicity:</u> LC50 rat Dose: 171.6 mg/l Exposure time: 4 h</p> <p><u>Skin irritation:</u> Classification: Irritating to skin. Result: Skin irritation</p> <p><u>Eye irritation:</u> Classification: Irritating to eyes. Result: Mild eye irritation</p> <p><u>Teratogenicity:</u> Tests in some animals may indicate that the technical active ingredient may have embryotoxic activity.</p>
<b>1,2,4-Trimethylbenzene</b>	95-63-6	<p><u>Acute inhalation toxicity:</u> LC50 rat Dose: 18 mg/l Exposure time: 4 h</p> <p><u>Skin irritation:</u> Classification: Irritating to skin. Result: Skin irritation</p> <p><u>Eye irritation:</u> Classification: Irritating to eyes. Result: Eye irritation.</p>
<b>Nonane</b>	111-84-2	<p><u>Acute oral toxicity:</u> LD50 mouse Dose: 218 mg/kg</p> <p><u>Acute inhalation toxicity:</u> LC50 rat Exposure time: 4 h</p>
<b>Cyclohexane</b>	110-82-7	<p><u>Acute dermal toxicity:</u> LD50 rabbit Dose: 2,001 mg/kg</p> <p><u>Acute inhalation toxicity:</u> LC50 rat Dose: 14 mg/l Exposure time: 4 h</p> <p><u>Skin irritation:</u> Classification: Irritating to skin. Result: Skin irritation</p> <p><u>Eye irritation:</u> Classification: Irritating to eyes. Result: Mild eye irritation.</p>

**SECTION 12. ECOLOGICAL INFORMATION**

**Additional ecological information** : Keep out of sewers, drainage areas, and waterways. Report spills and releases, as applicable, under Federal and State regulations.

**Component:**

<b>Octane [and isomers]</b>	540-84-1	<p><u>Toxicity to fish:</u> static test LC100 Species: Leuciscus idus (Golden orfe) Dose: 1,000 mg/l Exposure time: 48 h Method:</p> <p><u>Toxicity to bacteria:</u> EC0 Species: Pseudomonas putida Dose: 10,000 mg/l</p>
<b>Toluene</b>	108-88-3	<p><u>Toxicity to fish:</u> LC50 Species: Carassius auratus (goldfish) Dose: 13 mg/l Exposure time: 96 h</p> <p><u>Acute and prolonged toxicity for aquatic invertebrates:</u> EC50 Species: Daphnia magna (Water flea) Dose: 11.5 mg/l Exposure time: 48 h</p> <p><u>Toxicity to algae:</u> IC50 Species: Selenastrum capricornutum (green algae) Dose: 12 mg/l Exposure time: 72 h</p>
<b>Cumene</b>	98-82-8	<p><u>Toxicity to fish:</u> LC50 Species: Leuciscus idus (Golden orfe) Dose: 47 mg/l</p> <p><u>Acute and prolonged toxicity for aquatic invertebrates:</u> EC50 Species: Daphnia magna (Water flea) Dose: 91 mg/l</p>
<b>n-Hexane</b>	110-54-3	<p><u>Toxicity to fish:</u> LC50 Species: Pimephales promelas (fathead minnow) Dose: 2.5 mg/l Exposure time: 96 h</p> <p><u>Acute and prolonged toxicity for aquatic invertebrates:</u> EC50 Species: Daphnia magna (Water flea) Dose: 2.1 mg/l Exposure time: 48 h</p>
<b>1,2,4-Trimethylbenzene</b>	95-63-6	<p><u>Toxicity to fish:</u> LC50 Species: Pimephales promelas (fathead minnow) Dose: 7.72 mg/l Exposure time: 96 h</p> <p><u>Acute and prolonged toxicity for aquatic invertebrates:</u> EC50 Species: Daphnia Dose: 3.6 mg/l Exposure time: 48 h</p>



DSL Status : All components of this product are on the Canadian DSL list.

SARA 311/312 Hazards : Fire Hazard  
Acute Health Hazard  
Chronic Health Hazard

**CERCLA SECTION 103 and SARA SECTION 304 (RELEASE TO THE ENVIROMENT)**

The CERCLA definition of hazardous substances contains a "petroleum exclusion" clause which exempts crude oil. Fractions of crude oil, and products (both finished and intermediate) from the crude oil refining process and any indigenous components of such from the CERCLA Section 103 reporting requirements. However, other federal reporting requirements, including SARA Section 304, as well as the Clean Water Act may still apply.

CERCLA Reportable Quantity : See Section 6.

MASS RTK US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

<u>Components</u>	<u>CAS-No.</u>
<b>Benzene</b>	71-43-2
<b>Cumene</b>	98-82-8
<b>Toluene</b>	108-88-3
<b>Ethylbenzene</b>	100-41-4
<b>Octane [and isomers]</b>	540-84-1

SARA III US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

<u>Components</u>	<u>CAS-No.</u>
<b>Ethylbenzene</b>	100-41-4
<b>Toluene</b>	108-88-3
<b>Cumene</b>	98-82-8
<b>Benzene</b>	71-43-2

SARA III US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR355, Appendix A)

<u>Components</u>	<u>CAS-No.</u>
naphthalene	91-20-3
benzene	71-43-2
cyclohexane	110-82-7
n-hexane	110-54-3
ethylbenzene	100-41-4
1,2,4-trimethylbenzene	95-63-6
toluene	108-88-3
xylene	1330-20-7

PENN RTK US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<u>Components</u>	<u>CAS-No.</u>
ethylbenzene	100-41-4
n-hexane	110-54-3
cyclohexane	110-82-7

benzene	71-43-2
naphthalene	91-20-3
1,2,4-trimethylbenzene	95-63-6
gasoline	
Kerosene (petroleum); Straight run kerosene	8008-20-6
Fuels, diesel, No 2; Gasoil - unspecified	68476-34-6
xylene	1330-20-7
toluene	108-88-3

**MASS RTK**                      US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

<u>Components</u>	<u>CAS-No.</u>
naphthalene	91-20-3
benzene	71-43-2
cyclohexane	110-82-7
n-hexane	110-54-3
ethylbenzene	100-41-4
1,2,4-trimethylbenzene	95-63-6
toluene	108-88-3
xylene	1330-20-7
Kerosene (petroleum); Straight run kerosene	8008-20-6

**NJ RTK**                                      US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

<u>Components</u>	<u>CAS-No.</u>
ethylbenzene	100-41-4
n-hexane	110-54-3
cyclohexane	110-82-7
benzene	71-43-2
naphthalene	91-20-3
1,2,4-trimethylbenzene	95-63-6
gasoline	86290-81-5
Kerosene (petroleum); Straight run kerosene	8008-20-6
Fuels, diesel, No 2; Gasoil - unspecified	68476-34-6
xylene	1330-20-7
toluene	108-88-3

California Prop. 65                      : WARNING! This product contains a chemical known to the State of California to cause cancer.

Ethylbenzene                                      100-41-4

Benzene    71-43-2

Naphthalene                                      91-20-3

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

Toluene    108-88-3

Benzene    71-43-2

**SECTION 16. OTHER INFORMATION**

Further information

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 given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be 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.

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**Revision Date**        :    01/31/2011