



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name:** SUNOCO PLUS-10% ETHANOL

**Manufacturer Information:**

Sunoco, Inc. (R&M)  
1735 Market Street LL  
  
Philadelphia, Pennsylvania, 19103-7583

**Product Use:**

Motor Fuel

**Emergency Phone Numbers:**

Chemtec (800) 424-9300  
Sunoco Inc. (800) 964-8861

**Information:**

Product Safety Information (888) 567-3066

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount (Vol%)
LIGHT PETROLEUM DISTILLATE	8006-61-9	90 - 90
TOLUENE	108-88-3	0 - 30
XYLENE	1330-20-7	0 - 25
ETHYL ALCOHOL	64-17-5	10 - 10
CYCLOHEXANE	110-82-7	0 - 9
ETHYL BENZENE	100-41-4	0 - 5
N-HEXANE	110-54-3	0 - 5
NAPHTHALENE	91-20-3	0 - 5
1,2,4-TRIMETHYLBENZENE	95-63-6	0 - 5
BENZENE	71-43-2	0.1 - 4.9
CUMENE	98-82-8	0 - 1

#### EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSURE LIMITS)

	CAS No.	Governing Body	Exposure Limits		
BENZENE	71-43-2	ACGIH	STEL	2.5	ppm
BENZENE	71-43-2	OSHA	STEL	5	ppm
BENZENE	71-43-2	ACGIH	TWA	0.5	ppm
BENZENE	71-43-2	OSHA	TWA	1	ppm
CUMENE	98-82-8	ACGIH	TWA	50	ppm
CUMENE	98-82-8	OSHA	TWA	50	ppm
CYCLOHEXANE	110-82-7	ACGIH	TWA	100	ppm
CYCLOHEXANE	110-82-7	OSHA	TWA	300	ppm
ETHYL ALCOHOL	64-17-5	ACGIH	TWA	1000	ppm

ETHYL ALCOHOL	64-17-5	OSHA	TWA	1000	ppm
ETHYL BENZENE	100-41-4	ACGIH	STEL	125	ppm
ETHYL BENZENE	100-41-4	ACGIH	TWA	100	ppm
ETHYL BENZENE	100-41-4	OSHA	TWA	100	ppm
N-HEXANE	110-54-3	ACGIH	TWA	50	ppm
N-HEXANE	110-54-3	OSHA	TWA	500	ppm
NAPHTHALENE	91-20-3	ACGIH	STEL	15	ppm
NAPHTHALENE	91-20-3	ACGIH	TWA	10	ppm
NAPHTHALENE	91-20-3	OSHA	TWA	10	ppm
TOLUENE	108-88-3	NIOSH	STEL	150	ppm
TOLUENE	108-88-3	ACGIH	TWA	20	ppm
TOLUENE	108-88-3	OSHA	TWA	200	ppm
XYLENE	1330-20-7	ACGIH	STEL	150	ppm
XYLENE	1330-20-7	ACGIH	TWA	100	ppm
XYLENE	1330-20-7	OSHA	TWA	100	ppm
LIGHT PETROLEUM DISTILLATE	8006-61-9	ACGIH	STEL	500	ppm
LIGHT PETROLEUM DISTILLATE	8006-61-9	ACGIH	TWA	300	ppm

### 3. HAZARDS IDENTIFICATION

- EMERGENCY OVERVIEW**

Danger! Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Harmful or fatal if swallowed. Pulmonary aspiration hazard. While ingesting or vomiting, may enter lungs and produce damage. Harmful if inhaled. High vapor concentrations may cause drowsiness. May cause skin irritation. May cause eye irritation. Contains material or materials that can cause birth defects. Contains material or materials that can cause cancer.

**Hazards Ratings:**

Key: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>PPI</u>
NFPA	1	3	0	
HMIS	2	3	0	X

- POTENTIAL HEALTH EFFECTS**

- PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

The following diseases or disorders may be aggravated by exposure to this product: skin, eye, blood forming organs, nervous system, respiratory system, lung (asthma-like conditions), cardiovascular system,

- INHALATION**

Can cause severe central nervous system depression (including unconsciousness). May cause headaches and dizziness. Repeated excessive exposures may cause blood disorders such as anemia and leukemia. Contains a material that has been related to cancer in humans.

**LC50 (mg/l):** no data

**LC50 (mg/m3):** no data

**LC50 (ppm):** no data

- SKIN**

May be absorbed through the skin in harmful amounts. Moderately irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Draize Skin Score:** 4.8 Out of 8.0

**LD50 (mg/kg):** no data

- EYES**

Moderately irritating to the eyes.

▪ **INGESTION**

Harmful or fatal if swallowed. Pulmonary aspiration hazard. While ingesting or vomiting, may enter lungs and produce damage. Irritating to mouth, throat, and stomach. Contains material or materials that can cause birth defects.

LD50 (g/kg): no data

**4. FIRST AID MEASURES**

• **INHALATION**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get immediate medical attention.

• **SKIN**

Wash with soap and water for 20 minutes. Get medical attention if irritation develops or persists. Wash clothing before reuse.

• **EYES**

Flush eye with water for 20 minutes. Get medical attention.

• **INGESTION**

Do not induce vomiting! Do not give liquids! Get medical attention immediately.

**5. FIRE FIGHTING MEASURES**

• **EXTINGUISHING MEDIA**

Water spray; Regular foam; Dry chemical; Carbon dioxide;

• **FIRE FIGHTING INSTRUCTIONS**

Use water spray to cool fire exposed tanks and containers. Wear structural fire fighting gear.

• **FLAMMABLE PROPERTIES**

Extremely Flammable. Material will readily ignite at room temperatures.

	Typical	Minimum	Maximum	Text Result	Units	Method
Flash Point				MINUS 40 EST'D	F	N/A
Autoignition Temperature				536 EST.	F	N/A
Lower Explosion Limit	1.5				%	N/A
Upper Explosion Limit	7.6				%	N/A

**6. ACCIDENTAL RELEASE MEASURES**

Prevent ignition, stop leak and ventilate the area. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Vapor can be controlled using a water fog. Water streams should not be directed to the liquid as this will cause the liquid to boil and generate more vapor. Keep personnel upwind from leak. Use appropriate personal protective equipment as stated in Section 8 of this MSDS. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

**7. HANDLING AND STORAGE**

• **HANDLING**

Use only in a well-ventilated area. Ground and bond containers when transferring material. NFPA class IA storage. Flash point is less than 73 degrees F and boiling point is less than 100 degrees F. Avoid breathing (dust, vapor, mist, gas). Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Never siphon by mouth.

• **STORAGE**

Keep away from heat, sparks, and flame. Keep container closed when not in use. Consult NFPA and / or OSHA codes for additional information.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult With a Health and Safety Professional for Specific Selections

### • ENGINEERING CONTROLS

Use with adequate ventilation. Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Use explosion-proof ventilation equipment.

### • PERSONAL PROTECTION

#### ▪ EYE PROTECTION

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

#### ▪ GLOVES or HAND PROTECTION

The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Protective gloves are recommended to protect against contact with product. Polyethylene; Neoprene; Nitrile; Polyvinyl alcohol; Viton;

#### ▪ RESPIRATORY PROTECTION

Concentration in air determines the level of respiratory protection needed. Use only NIOSH certified respiratory equipment. Half-mask air purifying respirator with organic vapor cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with organic vapor cartridges is acceptable for exposures to fifty (50) times the exposure limit. Exposure should not exceed the cartridge limit of 1000 ppm. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA. Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

#### ▪ OTHER

Where splashing is possible, full chemically resistant protective clothing and boots are required. The following materials are acceptable for use as protective clothing: Polyethylene; Polyvinyl alcohol (PVA); Neoprene; Nitrile; Viton; Polyurethane; Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Remove contaminated clothing and wash before reuse. For non-fire emergencies, positive pressure SCBA and structural firefighter's protective clothing will provide only limited protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Property	Typical	Units	Text Result	Reference
Appearance		N/A	CLEAR LIQUID.	
Boiling Point		F	100 - 430	
Bulk Density		lb/gal	no data	
Liquid Conductivity		pS/m	< 50 (varies)	
Melting Point		F	no data	
Molecular Weight		g/mole	no data	
Octanol/Water Coefficient		N/A	no data	
pH		N/A	no data	
Specific Gravity	0.74	N/A		
Solubility In Water		wt %	NIL TO 15%	
Odor		N/A	GASOLINE ODOR.	
Odor Threshold		ppm	< 1	
Vapor Pressure		mmHg	325 - 525	@ 20 C
Viscosity (F)		SUS	no data	
Viscosity (C)		CsT	no data	

% Volatile	100	wt %		
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## 10. STABILITY AND REACTIVITY

- **STABILITY**  
Stable
- **CONDITIONS TO AVOID**  
Avoid heat, sparks and open flame.
- **INCOMPATIBILITY**  
Strong oxidizers
- **HAZARDOUS DECOMPOSITION PRODUCTS**  
Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.
- **HAZARDOUS POLYMERIZATION**  
Will not polymerize.

## 11. ECOLOGICAL INFORMATION

No data available

## 12. DISPOSAL CONSIDERATIONS

Follow federal, state and local regulations. This material is a RCRA hazardous waste. Do not flush material to drain or storm sewer. Contract to authorized disposal service.

## 13. TRANSPORT INFORMATION

<u>Governing Body</u>	<u>Mode</u>	<u>Proper Shipping Name</u>
DOT	Ground	Ethanol and Gasoline Mixture

  

<u>Governing Body</u>	<u>Mode</u>	<u>Hazard Class</u>	<u>UN/NA No.</u>	<u>Label</u>
DOT	Ground	3 (Flammable liquid)	UN 3475	

## 14. REGULATORY INFORMATION

<u>Regulatory List</u>	<u>Component</u>	<u>CAS No.</u>
ACGIH - Occupational Exposure Limits - Carcinogens	BENZENE	71-43-2
ACGIH - Occupational Exposure Limits - Carcinogens	ETHYL ALCOHOL	64-17-5
ACGIH - Occupational Exposure Limits - Carcinogens	ETHYL BENZENE	100-41-4
ACGIH - Occupational Exposure Limits - Carcinogens	NAPHTHALENE	91-20-3
ACGIH - Occupational Exposure Limits - Carcinogens	TOLUENE	108-88-3
ACGIH - Occupational Exposure Limits - Carcinogens	XYLENE	1330-20-7
ACGIH - Occupational Exposure Limits - TWAs	BENZENE	71-43-2
ACGIH - Occupational Exposure Limits - TWAs	CUMENE	98-82-8
ACGIH - Occupational Exposure Limits - TWAs	CYCLOHEXANE	110-82-7
ACGIH - Occupational Exposure Limits - TWAs	ETHYL BENZENE	100-41-4
ACGIH - Occupational Exposure Limits - TWAs	N-HEXANE	110-54-3
ACGIH - Occupational Exposure Limits - TWAs	NAPHTHALENE	91-20-3
ACGIH - Occupational Exposure Limits - TWAs	TOLUENE	108-88-3
ACGIH - Occupational Exposure Limits - TWAs	XYLENE	1330-20-7
ACGIH - Short Term Exposure Limits	BENZENE	71-43-2
ACGIH - Short Term Exposure Limits	ETHYL ALCOHOL	64-17-5
ACGIH - Short Term Exposure Limits	ETHYL BENZENE	100-41-4
ACGIH - Short Term Exposure Limits	NAPHTHALENE	91-20-3
ACGIH - Short Term Exposure Limits	XYLENE	1330-20-7
ACGIH - Skin Absorption Designation	BENZENE	71-43-2

ACGIH - Skin Absorption Designation  
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CAA (Clean Air Act) - High Risk Haz Air Pollutants  
CAA (Clean Air Act) - HON Rule - Organic HAPs  
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California - Prop. 65 - Developmental Toxicity  
California - Prop. 65 - Developmental Toxicity  
California - Prop. 65 - Developmental Toxicity  
California - Prop. 65 - Reproductive - Female  
California - Prop. 65 - Reproductive - Male  
California - Proposition 65 - Carcinogens List  
California - Proposition 65 - Carcinogens List  
California - Proposition 65 - Carcinogens List  
Canada - CEPA - Sch. I - List of Toxic Substances  
Canada - WHMIS - Ingredient Disclosure  
Canada - WHMIS - Ingredient Disclosure  
Canada - WHMIS - Ingredient Disclosure  
Canada - WHMIS - Ingredient Disclosure  
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Canada - WHMIS - Ingredient Disclosure  
CERCLA/SARA - Haz Substances and their RQs  
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N-HEXANE 110-54-3  
NAPHTHALENE 91-20-3  
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CUMENE 98-82-8  
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NAPHTHALENE 91-20-3

CERCLA/SARA - Section 313 - Emission Reporting  
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 CWA (Clean Water Act) - Hazardous Substances  
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 CWA (Clean Water Act) - Priority Pollutants  
 CWA (Clean Water Act) - Priority Pollutants  
 CWA (Clean Water Act) - Priority Pollutants  
 CWA (Clean Water Act) - Priority Pollutants  
 CWA (Clean Water Act) - Toxic Pollutants  
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 CWA (Clean Water Act) - Toxic Pollutants  
 DEA - List II Essential Chemicals  
 IARC - Group 1 (carcinogenic to humans)  
 IARC - Group 1 (carcinogenic to humans)  
 IARC - Group 2B (Possibly carcinogenic to humans)  
 IARC - Group 2B (Possibly carcinogenic to humans)

IARC - Group 2B (Possibly carcinogenic to humans)  
 IARC - Group 3 (not classifiable)  
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 XYLENE 1330-20-7  
 1,2,4-TRIMETHYLBENZENE 95-63-6

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Inventory - Korea - Existing and Evaluated

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BENZENE 71-43-2

CUMENE 98-82-8

CYCLOHEXANE 110-82-7

ETHYL ALCOHOL 64-17-5

ETHYL BENZENE 100-41-4

LIGHT PETROLEUM 8006-61-9

DISTILLATE

N-HEXANE 110-54-3

NAPHTHALENE 91-20-3

TOLUENE 108-88-3

XYLENE 1330-20-7

1,2,4-TRIMETHYLBENZENE 95-63-6

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BENZENE 71-43-2

CUMENE 98-82-8

CYCLOHEXANE 110-82-7

ETHYL ALCOHOL 64-17-5

ETHYL BENZENE 100-41-4

LIGHT PETROLEUM 8006-61-9

DISTILLATE

N-HEXANE 110-54-3

NAPHTHALENE 91-20-3

TOLUENE 108-88-3

XYLENE 1330-20-7

1,2,4-TRIMETHYLBENZENE 95-63-6

BENZENE 71-43-2

CUMENE 98-82-8

CYCLOHEXANE 110-82-7

ETHYL ALCOHOL 64-17-5

ETHYL BENZENE 100-41-4

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TOLUENE 108-88-3

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BENZENE 71-43-2

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CYCLOHEXANE 110-82-7

ETHYL ALCOHOL 64-17-5

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BENZENE 71-43-2

CUMENE 98-82-8

CYCLOHEXANE 110-82-7

ETHYL ALCOHOL 64-17-5



Inventory - TSCA - Sect. 8(b) Inventory  
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Massachusetts - Right To Know List  
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New Jersey - Department of Health RTK List  
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New Jersey - Department of Health RTK List  
New Jersey - Env Hazardous Substances List  
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New Jersey - Env Hazardous Substances List  
New Jersey - Special Hazardous Substances  
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New Jersey - Special Hazardous Substances  
New Jersey - Special Hazardous Substances  
New Jersey - Special Hazardous Substances  
New Jersey - Special Hazardous Substances  
NTP - Report on Carcinogens - Known Carcinogens  
NTP - Report on Carcinogens - Suspect Carcinogens  
OSHA - Final PELs - Ceiling Limits  
OSHA - Final PELs - Ceiling Limits  
OSHA - Final PELs - Short Term Exposure Limits  
OSHA - Final PELs - Skin Notations  
OSHA - Final PELs - Time Weighted Averages  
OSHA - Final PELs - Time Weighted Averages  
OSHA - Final PELs - Time Weighted Averages

ETHYL BENZENE 100-41-4  
LIGHT PETROLEUM 8006-61-9  
DISTILLATE  
N-HEXANE 110-54-3  
NAPHTHALENE 91-20-3  
TOLUENE 108-88-3  
XYLENE 1330-20-7  
1,2,4-TRIMETHYLBENZENE 95-63-6  
BENZENE 71-43-2  
CUMENE 98-82-8  
CYCLOHEXANE 110-82-7  
ETHYL ALCOHOL 64-17-5  
ETHYL BENZENE 100-41-4  
LIGHT PETROLEUM 8006-61-9  
DISTILLATE  
N-HEXANE 110-54-3  
NAPHTHALENE 91-20-3  
TOLUENE 108-88-3  
XYLENE 1330-20-7  
1,2,4-TRIMETHYLBENZENE 95-63-6  
BENZENE 71-43-2  
CUMENE 98-82-8  
CYCLOHEXANE 110-82-7  
ETHYL ALCOHOL 64-17-5  
ETHYL BENZENE 100-41-4  
LIGHT PETROLEUM 8006-61-9  
DISTILLATE  
N-HEXANE 110-54-3  
NAPHTHALENE 91-20-3  
TOLUENE 108-88-3  
XYLENE 1330-20-7  
BENZENE 71-43-2  
CUMENE 98-82-8  
CYCLOHEXANE 110-82-7  
ETHYL ALCOHOL 64-17-5  
ETHYL BENZENE 100-41-4  
LIGHT PETROLEUM 8006-61-9  
DISTILLATE  
N-HEXANE 110-54-3  
NAPHTHALENE 91-20-3  
TOLUENE 108-88-3  
XYLENE 1330-20-7  
BENZENE 71-43-2  
NAPHTHALENE 91-20-3  
BENZENE 71-43-2  
TOLUENE 108-88-3  
BENZENE 71-43-2  
CUMENE 98-82-8  
BENZENE 71-43-2  
CUMENE 98-82-8  
CYCLOHEXANE 110-82-7

OSHA - Final PELs - Time Weighted Averages	ETHYL ALCOHOL	64-17-5
OSHA - Final PELs - Time Weighted Averages	ETHYL BENZENE	100-41-4
OSHA - Final PELs - Time Weighted Averages	N-HEXANE	110-54-3
OSHA - Final PELs - Time Weighted Averages	NAPHTHALENE	91-20-3
OSHA - Final PELs - Time Weighted Averages	TOLUENE	108-88-3
OSHA - Final PELs - Time Weighted Averages	XYLENE	1330-20-7
OSHA - Hazard Communication Carcinogens	BENZENE	71-43-2
OSHA - Hazard Communication Carcinogens	ETHYL ALCOHOL	64-17-5
OSHA - Hazard Communication Carcinogens	ETHYL BENZENE	100-41-4
OSHA - Hazard Communication Carcinogens	LIGHT PETROLEUM	8006-61-9
	DISTILLATE	
OSHA - Hazard Communication Carcinogens	NAPHTHALENE	91-20-3
OSHA - Specifically Regulated Carcinogens	BENZENE	71-43-2
Pennsylvania - RTK (Right to Know) List	1,2,4-TRIMETHYLBENZENE	95-63-6
Pennsylvania - RTK (Right to Know) List	BENZENE	71-43-2
Pennsylvania - RTK (Right to Know) List	CUMENE	98-82-8
Pennsylvania - RTK (Right to Know) List	CYCLOHEXANE	110-82-7
Pennsylvania - RTK (Right to Know) List	ETHYL ALCOHOL	64-17-5
Pennsylvania - RTK (Right to Know) List	ETHYL BENZENE	100-41-4
Pennsylvania - RTK (Right to Know) List	N-HEXANE	110-54-3
Pennsylvania - RTK (Right to Know) List	NAPHTHALENE	91-20-3
Pennsylvania - RTK (Right to Know) List	TOLUENE	108-88-3
Pennsylvania - RTK (Right to Know) List	XYLENE	1330-20-7
Pennsylvania - RTK - Environmental Hazard List	1,2,4-TRIMETHYLBENZENE	95-63-6
Pennsylvania - RTK - Environmental Hazard List	BENZENE	71-43-2
Pennsylvania - RTK - Environmental Hazard List	CUMENE	98-82-8
Pennsylvania - RTK - Environmental Hazard List	CYCLOHEXANE	110-82-7
Pennsylvania - RTK - Environmental Hazard List	ETHYL BENZENE	100-41-4
Pennsylvania - RTK - Environmental Hazard List	NAPHTHALENE	91-20-3
Pennsylvania - RTK - Environmental Hazard List	TOLUENE	108-88-3
Pennsylvania - RTK - Environmental Hazard List	XYLENE	1330-20-7
Pennsylvania - RTK - Environmental Hazard List	BENZENE	71-43-2
Pennsylvania - RTK - Special Hazardous Substances	NAPHTHALENE	91-20-3
TSCA - Sect. 12(b) - Export Notification	CYCLOHEXANE	110-82-7
TSCA - Section 4 - Chemical Test Rules	NAPHTHALENE	91-20-3
TSCA - Section 4 - Chemical Test Rules	BENZENE	71-43-2
U.S. - DOT - Hazardous Substances and RQs (App A)	CUMENE	98-82-8
U.S. - DOT - Hazardous Substances and RQs (App A)	CYCLOHEXANE	110-82-7
U.S. - DOT - Hazardous Substances and RQs (App A)	ETHYL BENZENE	100-41-4
U.S. - DOT - Hazardous Substances and RQs (App A)	N-HEXANE	110-54-3
U.S. - DOT - Hazardous Substances and RQs (App A)	NAPHTHALENE	91-20-3
U.S. - DOT - Hazardous Substances and RQs (App A)	TOLUENE	108-88-3
U.S. - DOT - Hazardous Substances and RQs (App A)	XYLENE	1330-20-7
U.S. - DOT - Hazardous Substances and RQs (App A)	LIGHT PETROLEUM	8006-61-9
U.S. - DOT - Marine Pollutants - (App B)	DISTILLATE	

### Title III Classifications Sections 311,312:

- Acute: **YES**
- Chronic: **YES**
- Fire: **YES**
- Reactivity: **NO**
- Sudden Release of Pressure: **NO**

### 15. OTHER INFORMATION

Precautionary labeling for pumps, portable containers, and drums is required. A "hazardous when empty" pictogram and D.O.T. flammable liquid label are also required for drums. Details available upon request. Because benzene is present in this product above 0.1%, the Osha Standard for benzene is applicable to work locations upstream of final discharge from terminals. Consult 29CFR1910.1028 for details. Prolonged and repeated excessive exposures to

benzene can result in blood disorders ranging from anemia to leukemia. Sun recommends that exposures to benzene be kept below 0.5 ppm for 8-hours; 2.5 ppm for 15-min. Normal service station operations are below these values. For use as motor fuel only. Do not use for any other purpose. Catecholamines and similar adrenergic drugs are generally contraindicated because of potential for increased sensitivity of the heart from hydrocarbon overexposure and subsequent ventricular fibrillation. EKG monitoring may be indicated and bronchodilators should be selected with care. Following injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss. COMPONENT TOXICITY: Overexposure to naphthalene, a minor component of this product, may cause skin, eye and respiratory tract irritation, anemia, loss of vision, nervous system effects and kidney and thymus damage. Also, exposure to naphthalene has produced "respiratory tract" tumors in laboratory animals.