

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:

Chemtrec

(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	8006-61-9	ACGIH	STEL	500	ppm
DISTILLATE					
LIGHT PETROLEUM	8006-61-9	ACGIH	TWA	300	ppm
DISTILLATE	<u> </u>				
	·		· · · · · · · · · · · · · · · · · · ·		

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	Χ

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	1
Bulk Density		lb/gal	no data	
Liquid Conductivity		pS/m	< 50 (varies)	
Melting Point	, w	F	no data	
Molecular Weight		g/mole	no data	
Octanol/Water Coefficient		N/A	no data	
рH		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 %	1

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

Governing Body DOT	Mode Ground	Proper Shippin Ethanol and Ga			•	
Governing Body DOT	<u>Mode</u> Ground	Hazard Class 3 (Flammable liquid)	<u>UN/NA No.</u> UN 3475	<u>Label</u>		

14. REGULATORY INFORMATION

Regulatory List	Component	CAS No.
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
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	ACCUL. Ohio Absorbing Decimention		NILIEVANIE		110-54-3
	ACGIH - Skin Absorption Designation		N-HEXANE		
	ACGIH - Skin Absorption Designation		NAPHTHALENE		91-20-3
	CAA (Clean Air Act) - High Risk Haz Air Pollutants		BENZENE		71-43-2
	CAA (Clean Air Act) - HON Rule - Organic HAPs		BENZENE		71-43-2
	CAA (Clean Air Act) - HON Rule - Organic HAPs		CUMENE		98-82-8
	CAA (Clean Air Act) - HON Rule - Organic HAPs		ETHYL BENZENE		100-41-4
	CAA (Clean Air Act) - HON Rule - Organic HAPs		N-HEXANE		110-54-3
	CAA (Clean Air Act) - HON Rule - Organic HAPs		NAPHTHALENE		91-20-3
	CAA (Clean Air Act) - HON Rule - Organic HAPs		TOLUENE		108-88-3
	CAA (Clean Air Act) - HON Rule - Organic HAPs		XYLENE		1330-20-7
					71-43-2
	CAA (Clean Air Act) - HON Rule - SOCMI Chemicals		BENZENE		
	CAA (Clean Air Act) - HON Rule - SOCMI Chemicals		CUMENE		98-82-8
	CAA (Clean Air Act) - HON Rule - SOCMI Chemicals		CYCLOHEXANE		110-82-7
	CAA (Clean Air Act) - HON Rule - SOCMI Chemicals		ETHYL BENZENE		100-41-4
	CAA (Clean Air Act) - FION Rule - SOCIAL Chamicals				
	CAA (Clean Air Act) - HON Rule - SOCMI Chemicals		N-HEXANE		110-54-3
	CAA (Clean Air Act) - HON Rule - SOCMI Chemicals		NAPHTHALENE		91-20-3
	CAA (Clean Air Act) - HON Rule - SOCMI Chemicals		TOLUENE		108-88-3
			XYLENE		1330-20-7
	CAA (Clean Air Act) - HON Rule - SOCMI Chemicals				
	CAA (Clean Air Act) - VOCs in SOCMI		BENZENE	1.	71-43-2
	CAA (Clean Air Act) - VOCs in SOCMI		CUMENE		98-82-8
	CAA (Clean Air Act) - VOCs in SOCMI		CYCLOHEXANE		110-82-7
			ETHYL ALCOHOL		64-17-5
	CAA (Clean Air Act) - VOCs in SOCMI				
	CAA (Clean Air Act) - VOCs in SOCMI		ETHYL BENZENE		100-41-4
	CAA (Clean Air Act) - VOCs in SOCMI		TOLUENE		108-88-3
	CAA (Clean Air Act) - VOCs in SOCMI		XYLENE		1330-20-7
					71-43-2
	CAA - 1990 Hazardous Air Pollutants		BENZENE		
	CAA - 1990 Hazardous Air Pollutants		CUMENE		98-82-8
	CAA - 1990 Hazardous Air Pollutants		ETHYL BENZENE		100-41-4
	CAA - 1990 Hazardous Air Pollutants		N-HEXANE		110-54-3
			NAPHTHALENE		91-20-3
	CAA - 1990 Hazardous Air Pollutants		the contract of the contract o		
	CAA - 1990 Hazardous Air Pollutants	*	TOLUENE		108-88-3
	CAA - 1990 Hazardous Air Pollutants		XYLENE		1330-20-7
	California - Prop. 65 - Developmental Toxicity		BENZENE		71-43-2
	California - Prop. 65 - Developmental Toxicity		ETHYL ALCOHOL		64-17-5
			TOLUENE		108-88-3
	California - Prop. 65 - Developmental Toxicity				108-88-3
	California - Prop. 65 - Reproductive - Female		TOLUENE		
	California - Prop. 65 - Reproductive - Male		BENZENE		71-43-2
	California - Proposition 65 - Carcinogens List		BENZENE		71-43-2
	California - Proposition 65 - Carcinogens List		ETHYL BENZENE		100-41-4
	California - Proposition 65 - Carcinogens List		NAPHTHALENE		91-20-3
			BENZENE		71-43-2
	Canada - CEPA - Sch. I - List of Toxic Substances			1.	1.5
	Canada - WHMIS - Ingredient Disclosure		1,2,4-TRIMETHYLBENZENE		95-63-6
	Canada - WHMIS - Ingredient Disclosure		CYCLOHEXANE		110-82-7
	Canada - WHMIS - Ingredient Disclosure		ETHYL ALCOHOL		64-17-5
	Canada - WHMIS - Ingredient Disclosure		ETHYL BENZENE		100-41-4
			N-HEXANE		110-54-3
	Canada - WHMIS - Ingredient Disclosure				
	Canada - WHMIS - Ingredient Disclosure		TOLUENE		108-88-3
	CERCLA/SARA - Haz Substances and their RQs		BENZENE		71-43-2
	CERCLA/SARA - Haz Substances and their RQs		CUMENE		98-82-8
	CERCLA/SARA - Haz Substances and their RQs		CYCLOHEXANE		110-82-7
	CERCLA/SARA - Haz Substances and their RQs		ETHYL BENZENE		100-41-4
					110-54-3
	CERCLA/SARA - Haz Substances and their RQs		N-HEXANE		
	CERCLA/SARA - Haz Substances and their RQs		NAPHTHALENE		91-20-3
	CERCLA/SARA - Haz Substances and their RQs		TOLUENE		108-88-3
	CERCLA/SARA - Haz Substances and their RQs		XYLENE		1330-20-7
	CERCLA/SARA - Section 313 - Emission Reporting		1,2,4-TRIMETHYLBENZENE		95-63-6
	CERCLA/SARA - Section 313 - Emission Reporting		BENZENE		71-43-2
	CERCLA/SARA - Section 313 - Emission Reporting		CUMENE		98-82-8
	CERCLA/SARA - Section 313 - Emission Reporting		CYCLOHEXANE		110-82-7
	CERCLA/SARA - Section 313 - Emission Reporting	2	ETHYL BENZENE		100-41-4
	CERCLA/SARA - Section 313 - Emission Reporting		N-HEXANE		110-54-3
			NAPHTHALENE		91-20-3
	CERCLA/SARA - Section 313 - Emission Reporting		NAFFITALENE		
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CERCLA/SARA - Section 313 - Emission Reporting	TOLLIENE	400.00.0
CERCLA/CARA Coction 010 - Emission Reporting	TOLUENE	108-88-3
CERCLA/SARA - Section 313 - Emission Reporting	XYLENE	1330-20-7
CWA (Clean Water Act) - Hazardous Substances	BENZENE	71-43-2
CWA (Clean Water Act) - Hazardous Substances	CYCLOHEXANE	110-82-7
CWA (Clean Water Act) - Hazardous Substances	ETHYL BENZENE	100-41-4
CWA (Clean Water Act) - Hazardous Substances	NAPHTHALENE	91-20-3
CWA (Clean Water Act) - Hazardous Substances	TOLUENE	
		108-88-3
CWA (Clean Water Act) - Hazardous Substances	XYLENE	1330-20-7
CWA (Clean Water Act) - Priority Pollutants	BENZENE	71-43-2
CWA (Clean Water Act) - Priority Pollutants	ETHYL BENZENE	100-41-4
CWA (Clean Water Act) - Priority Pollutants	NAPHTHALENE	91-20-3
CWA (Clean Water Act) - Priority Pollutants	TOLUENE	108-88-3
CWA (Clean Water Act) - Toxic Pollutants		
	BENZENE	71-43-2
CWA (Clean Water Act) - Toxic Pollutants	ETHYL BENZENE	100-41-4
CWA (Clean Water Act) - Toxic Pollutants	NAPHTHALENE	91-20-3
CWA (Clean Water Act) - Toxic Pollutants	TOLUENE	108-88-3
DEA - List II Essential Chemicals	TOLUENE	108-88-3
IARC - Group 1 (carcinogenic to humans)	BENZENE	71-43-2
IARC - Group 1 (carcinogenic to humans)	ETHYL ALCOHOL	
		64-17-5
IARC - Group 2B (Possibly carcinogenic to humans)	ETHYL BENZENE	100-41-4
IARC - Group 2B (Possibly carcinogenic to humans)	LIGHT PETROLEUM	8006-61-9
	DISTILLATE	
IARC - Group 2B (Possibly carcinogenic to humans)	NAPHTHALENE	91-20-3
IARC - Group 3 (not classifiable)	TOLUENE	108-88-3
IARC - Group 3 (not classifiable)	XYLENE	
Inventory - Australia (AICS)		1330-20-7
	1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - Australia (AICS)	BENZENE	71-43-2
Inventory - Australia (AICS)	CUMENE	98-82-8
Inventory - Australia (AICS)	CYCLOHEXANE	110-82-7
Inventory - Australia (AICS)	ETHYL ALCOHOL	64-17-5
Inventory - Australia (AICS)	ETHYL BENZENE	100-41-4
Inventory - Australia (AICS)	LIGHT PETROLEUM	8006-61-9
(iiio)	DISTILLATE	0000-01-9
Inventory Australia (AICS)		
Inventory - Australia (AICS)	N-HEXANE	110-54-3
Inventory - Australia (AICS)	NAPHTHALENE	91-20-3
Inventory - Australia (AICS)	TOLUENE	108-88-3
Inventory - Australia (AICS)	XYLENE	1330-20-7
Inventory - Canada - Domestic Substances List	1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - Canada - Domestic Substances List	BENZENE	71-43-2
Inventory - Canada - Domestic Substances List	CUMENE	98-82-8
Inventory - Canada - Domestic Substances List	CYCLOHEXANE	110-82-7
Inventory - Canada - Domestic Substances List		
	ETHYL ALCOHOL	64-17-5
Inventory - Canada - Domestic Substances List	ETHYL BENZENE	100-41-4
Inventory - Canada - Domestic Substances List	LIGHT PETROLEUM	8006-61-9
	DISTILLATE	
Inventory - Canada - Domestic Substances List	N-HEXANE	110-54-3
Inventory - Canada - Domestic Substances List	NAPHTHALENE	91-20-3
Inventory - Canada - Domestic Substances List	TOLUENE	
Inventory - Canada - Domestic Substances List	XYLENE	108-88-3
		1330-20-7
Inventory - China	1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - China	BENZENE	71-43-2
Inventory - China	CUMENE	98-82-8
Inventory - China	CYCLOHEXANE	110-82-7
Inventory - China	ETHYL ALCOHOL	64-17-5
Inventory - China	ETHYL BENZENE	100-41-4
Inventory - China	LIGHT PETROLEUM	
The control of the co		8006-61-9
Inventory China	DISTILLATE	445
Inventory - China	N-HEXANE	110-54-3
Inventory - China	NAPHTHALENE	91-20-3
Inventory - China	TOLUENE	108-88-3
Inventory - China	XYLENE	1330-20-7
Inventory - European EINECS Inventory	1,2,4-TRIMETHYLBENZENE	95-63-6
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Inventory - European EINECS Inventory	BENZENE	71-43-2
Inventory - European EINECS Inventory	CUMENE	98-82-8
Inventory - European EINECS Inventory	CYCLOHEXANE	110-82-7
Inventory - European EINECS Inventory	ETHYL ALCOHOL	64-17-5
	ETHYL BENZENE	100-41-4
Inventory - European EINECS Inventory	LIGHT PETROLEUM	8006-61-9
Inventory - European EINECS Inventory		0000-01-3
	DISTILLATE	110 54 0
Inventory - European EINECS Inventory	N-HEXANE	110-54-3
Inventory - European EINECS Inventory	NAPHTHALENE	91-20-3
Inventory - European EINECS Inventory	TOLUENE	108-88-3
Inventory - European EINECS Inventory	XYLENE	1330-20-7
Inventory - Japan - (ENCS)	1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - Japan - (ENCS)	BENZENE	71-43-2
Inventory - Japan - (ENCS)	CUMENE	98-82-8
Inventory - Japan - (ENCS)	CYCLOHEXANE	110-82-7
Inventory - Japan - (ENCS)	ETHYL ALCOHOL	64-17-5
Inventory - Japan - (ENCS)	ETHYL BENZENE	100-41-4
Inventory - Japan - (ENCS)	N-HEXANE	110-54-3
Inventory - Japan - (ENCS)	NAPHTHALENE	91-20-3
Inventory - Japan - (ENCS)	TOLUENE	108-88-3
Inventory - Japan - (ENCS)	XYLENE	1330-20-7
Inventory - Korea - Existing and Evaluated	1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - Korea - Existing and Evaluated	BENZENE	71-43-2
Inventory - Korea - Existing and Evaluated	CUMENE	98-82-8
Inventory - Korea - Existing and Evaluated	CYCLOHEXANE	110-82-7
Inventory - Korea - Existing and Evaluated	ETHYL ALCOHOL	64-17-5
Inventory - Korea - Existing and Evaluated	ETHYL BENZENE	100-41-4
Inventory - Korea - Existing and Evaluated	LIGHT PETROLEUM	8006-61-9
inventory - Notea - Existing and Evaluated	DISTILLATE	0000 0. 0
Inventory Korea Eviating and Evaluated	N-HEXANE	110-54-3
Inventory - Korea - Existing and Evaluated	NAPHTHALENE	91-20-3
Inventory - Korea - Existing and Evaluated	TOLUENE	108-88-3
Inventory - Korea - Existing and Evaluated		1330-20-7
Inventory - Korea - Existing and Evaluated	XYLENE 1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - New Zealand		71-43-2
Inventory - New Zealand	BENZENE	98-82-8
Inventory - New Zealand	CUMENE	110-82-7
Inventory - New Zealand	CYCLOHEXANE	
Inventory - New Zealand	ETHYL ALCOHOL	64-17-5
Inventory - New Zealand	ETHYL BENZENE	100-41-4
Inventory - New Zealand	LIGHT PETROLEUM	8006-61-9
	DISTILLATE	
Inventory - New Zealand	N-HEXANE	110-54-3
Inventory - New Zealand	NAPHTHALENE	91-20-3
Inventory - New Zealand	TOLUENE	108-88-3
Inventory - New Zealand	XYLENE	1330-20-7
Inventory - Philippines Inventory (PICCS)	1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - Philippines Inventory (PICCS)	BENZENE	71-43-2
Inventory - Philippines Inventory (PICCS)	CUMENE	98-82-8
Inventory - Philippines Inventory (PICCS)	CYCLOHEXANE	110-82-7
Inventory - Philippines Inventory (PICCS)	ETHYL ALCOHOL	64-17-5
Inventory - Philippines Inventory (PICCS)	ETHYL BENZENE	100-41-4
Inventory - Philippines Inventory (PICCS)	LIGHT PETROLEUM	8006-61-9
	DISTILLATE	
Inventory - Philippines Inventory (PICCS)	N-HEXANE	110-54-3
Inventory - Philippines Inventory (PICCS)	NAPHTHALENE	91-20-3
Inventory - Philippines Inventory (PICCS)	TOLUENE	108-88-3
Inventory - Philippines Inventory (PICCS)	XYLENE	1330-20-7
Inventory - TSCA - Sect. 8(b) Inventory	1,2,4-TRIMETHYLBENZENE	95-63-6
Inventory - TSCA - Sect. 8(b) Inventory	BENZENE	71-43-2
Inventory - TSCA - Sect. 8(b) Inventory	CUMENE	98-82-8
Inventory - TSCA - Sect. 8(b) Inventory	CYCLOHEXANE	110-82-7
Inventory - TSCA - Sect. 8(b) Inventory	ETHYL ALCOHOL	64-17-5
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	Inventory - TSCA - Sect. 8(b) Inventory		ETHYL BENZENE	100-41-4
	Inventory - TSCA - Sect. 8(b) Inventory		LIGHT PETROLEUM	8006-61-9
			DISTILLATE	
	Inventory - TSCA - Sect. 8(b) Inventory		N-HEXANE	110-54-3
	Inventory - TSCA - Sect. 8(b) Inventory		NAPHTHALENE	91-20-3
	Inventory - TSCA - Sect. 8(b) Inventory		TOLUENE	108-88-3
	Inventory - TSCA - Sect. 8(b) Inventory		XYLENE	1330-20-7
	Massachusetts - Right To Know List		1,2,4-TRIMETHYLBENZENE	95-63-6
	Massachusetts - Right To Know List		BENZENE	71-43-2
	Massachusetts - Right To Know List		CUMENE	98-82-8
	Massachusetts - Right To Know List		CYCLOHEXANE	110-82-7
	Massachusetts - Right To Know List Massachusetts - Right To Know List		ETHYL ALCOHOL	64-17-5
	Massachusetts - Right To Know List Massachusetts - Right To Know List		ETHYL BENZENE	100-41-4
	Massachusetts - Hight 10 Know List		LIGHT PETROLEUM	8006-61-9
	Massachusetts - Right To Know List	•	DISTILLATE N-HEXANE	110 51 0
	Massachusetts - Right To Know List		NAPHTHALENE	110-54-3
	Massachusetts - Right To Know List		TOLUENE	91-20-3
	Massachusetts - Right To Know List		XYLENE	108-88-3 1330-20-7
	New Jersey - Department of Health RTK List		1,2,4-TRIMETHYLBENZENE	95-63-6
	New Jersey - Department of Health RTK List		BENZENE	71-43-2
	New Jersey - Department of Health RTK List		CUMENE	98-82-8
	New Jersey - Department of Health RTK List		CYCLOHEXANE	110-82-7
	New Jersey - Department of Health RTK List		ETHYL ALCOHOL	64-17-5
	New Jersey - Department of Health RTK List		ETHYL BENZENE	100-41-4
	New Jersey - Department of Health RTK List		LIGHT PETROLEUM	8006-61-9
	, ,		DISTILLATE	0000 01 0
	New Jersey - Department of Health RTK List		N-HEXANE	110-54-3
	New Jersey - Department of Health RTK List		NAPHTHALENE	91-20-3
	New Jersey - Department of Health RTK List		TOLUENE	108-88-3
	New Jersey - Department of Health RTK List		XYLENE	1330-20-7
	New Jersey - Env Hazardous Substances List		1,2,4-TRIMETHYLBENZENE	95-63-6
	New Jersey - Env Hazardous Substances List		BENZENE	71-43-2
	New Jersey - Env Hazardous Substances List		CUMENE	98-82-8
	New Jersey - Env Hazardous Substances List		CYCLOHEXANE	110-82-7
	New Jersey - Env Hazardous Substances List		ETHYL BENZENE	100-41-4
	New Jersey - Env Hazardous Substances List		LIGHT PETROLEUM	8006-61-9
			DISTILLATE	
	New Jersey - Env Hazardous Substances List		N-HEXANE	110-54-3
	New Jersey - Env Hazardous Substances List		NAPHTHALENE	91-20-3
	New Jersey - Env Hazardous Substances List		TOLUENE	108-88-3
	New Jersey - Env Hazardous Substances List		XYLENE	1330-20-7
	New Jersey - Special Hazardous Substances		BENZENE	71-43-2
	New Jersey - Special Hazardous Substances		CUMENE	98-82-8
	New Jersey - Special Hazardous Substances		CYCLOHEXANE	110-82-7
	New Jersey - Special Hazardous Substances New Jersey - Special Hazardous Substances		ETHYL ALCOHOL	64-17-5
	New Jersey - Special Hazardous Substances New Jersey - Special Hazardous Substances		ETHYL BENZENE	100-41-4
	New Jersey - Special Hazardous Substances		LIGHT PETROLEUM	8006-61-9
	New Jersey - Special Hazardous Substances		DISTILLATE	
	New Jersey - Special Hazardous Substances		N-HEXANE	110-54-3
	New Jersey - Special Hazardous Substances		NAPHTHALENE TOLUENE	91-20-3
	New Jersey - Special Hazardous Substances		XYLENE	108-88-3
	NTP - Report on Carcinogens - Known Carcinogens		BENZENE	1330-20-7
	NTP - Report on Carcinogens - Suspect Carcinogens		NAPHTHALENE	71-43-2
	OSHA - Final PELs - Ceiling Limits		BENZENE	91-20-3 71-43-2
	OSHA - Final PELs - Ceiling Limits		TOLUENE	108-88-3
	OSHA - Final PELs - Short Term Exposure Limits		BENZENE	71-43-2
	OSHA - Final PELs - Skin Notations		CUMENE	98-82-8
	OSHA - Final PELs - Time Weighted Averages		BENZENE	71-43-2
	OSHA - Final PELs - Time Weighted Averages		CUMENE	98-82-8
	OSHA - Final PELs - Time Weighted Averages		CYCLOHEXANE	110-82-7
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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
OSHA - Hazard Communication Carcinogens	DISTILLATE	0000 0. 0
OCHA Hazard Communication Carainagans	NAPHTHALENE	91-20-3
OSHA - Hazard Communication Carcinogens	BENZENE	71-43-2
OSHA - Specifically Regulated Carcinogens	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		110-82-7
Pennsylvania - RTK (Right to Know) List	CYCLOHEXANE	64-17-5
Pennsylvania - RTK (Right to Know) List	ETHYL ALCOHOL	
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 - Special Hazardous Substances	BENZENE	71-43-2
TSCA - Sect. 12(b) - Export Notification	NAPHTHALENE	91-20-3
TSCA - Section 4 - Chemical Test Rules	CYCLOHEXANE	110-82-7
TSCA - Section 4 - Chemical Test Rules	NAPHTHALENE	91-20-3
U.S DOT - Hazardous Substances and RQs (App A)	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 - Marine Pollutants - (App B)	LIGHT PETROLEUM	8006-61-9
0.0. 201 mains and (hipper)	DISTILLATE	

Title III Classifications Sections 311,312:

Acute: YESChronic: YESFire: YESReactivity: 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.