

7. HANDLING AND STORAGE

Handling:

Product is stored as a liquid but used in the gaseous state. Comply with all applicable EPA, OSHA, NFPA and consistent state and local requirements. Use appropriate grounding and bonding practices. Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. Avoid overpressurizing or overfilling cylinders. Do not cut, drill, grind or weld on empty containers since they may contain explosive residues.

Avoid repeated and prolonged skin contact. Exercise good personal hygiene including removal of soiled clothing and prompt washing with soap and water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Engineering measures: Local or general exhaust required in an enclosed area or with inadequate ventilation

Respiratory protection: Use atmosphere supplying respirators in the event of oxygen deficiency, when material produces vapors that exceed permissible limits or when excessive vapors are generated. Observe respirator protection factor criteria cited in ANSI Z88.2. Self-contained breathing apparatus should be used for fire fighting.

Skin and body protection: Wear insulated gloves to prevent skin contact and frostbite.

Eye protection: Use goggles or face-shield if there is a potential for splashing

Hygiene measures: Use mechanical ventilation equipment that is explosion-proof

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless Liquefied Gas
Physical state (Solid/Liquid/Gas):	Liquid
Substance type (Pure/Mixture):	Pure
Color:	Colorless
Odor:	Rotten-egg
Molecular weight:	Not determined
pH:	No data available.
Boiling point/range:	-43.7 F
Melting point/range:	-305.8 F
Decomposition temperature:	Not applicable.
Specific gravity:	51 Liquid
Density:	4.4 lbs/gal @ 32 F
Bulk density:	No data available
Vapor density:	1.56
Vapor pressure:	7600 mm Hg @ 80 F 147 PSI @ 80 F
Evaporation rate:	No data available.
Solubility:	Moderate 6.5%
Solubility in other solvents:	No data available.
Partition coefficient (n-octanol/water):	No data available.
VOC content(%):	No data available.
Viscosity:	No data available.

10. STABILITY AND REACTIVITY

Stability: The material is stable at 70 F, 760 mm pressure.

Polymerization:	Will not occur
Hazardous decomposition products	Combustion produces carbon monoxide
Materials to avoid:	Strong oxidizers such as nitrates, perchlorates, chlorine, fluorine.
Conditions to avoid:	Sources of heat or ignition.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Product information

Name	CAS Number	Inhalation:	Dermal:	Oral:
SSA Propane	74-98-6	>4000,000 ppm for 6 hr [Rat]	n/a	n/a

Some of the major components of this product are considered to be simple asphyxiant gases without significant potential for systemic toxicity. At high concentrations these gases act as asphyxiants by diluting and displacing oxygen. Symptoms of persons exposed to oxygen deficient atmospheres include headache, dizziness, incoordination, cyanosis and narcosis. Extremely high concentrations can produce unconsciousness followed by death.

At extremely high concentrations and excessive exposure conditions components of this product may produce cardiac sensitization.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Liquid product is not toxic to aquatic life or waterfowl. The aquatic 96 hour TLM for propane is >100 ppm.

13. DISPOSAL CONSIDERATIONS

Cleanup Considerations

This product as produced is not specifically listed as an EPA RCRA hazardous waste according to federal regulations (40 CFR 261). However, when discarded or disposed of, it may meet the criteria of an "ignitable" hazardous waste (D001). This material could become a hazardous waste if mixed or contaminated with a hazardous waste or other substance(s). It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations. Bleeding off small amounts of this product into the atmosphere or controlled incineration of large amounts are potential disposal methods provided all regulatory requirements are met.

14. TRANSPORT INFORMATION

49 CFR 172.101:

DOT:

Transport Information: This material when transported via US commerce would be regulated by DOT Regulations.

Proper shipping name
UN/Identification No.
Hazard Class:

Propane
UN 1978
2.1

Packing group:
DOT reportable quantity (lbs)

Not applicable.
Not applicable

TDG (Canada):

Proper shipping name:
UN/Identification No:
Hazard Class:
Packing group:
Regulated substances:

Propane
UN 1978
2.1
Not applicable
Not applicable

15. REGULATORY INFORMATION

Federal Regulatory Information:

US TSCA Chemical Inventory Section 8(b)

This product and/or its components are listed on the TSCA Chemical Inventory.

OSHA Hazard Communication Standard:

This product has been evaluated and determined to be hazardous as defined in OSHA's Hazard Communication Standard.

EPA Superfund Amendment & Reauthorization Act (SARA):

SARA Section 302.

This product contains the following component(s) that have been listed on EPA's Extremely Hazardous Substance (EHS) List

Name	CERCLA SARA - Section 302 Extremely Hazardous Substances and TPQs
Propane	NA
Propylene	NA
Ethane	NA
Butane & Heavier	NA
Sulfur	NA

SARA Section 304:

This product contains the following 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
Propane	NA
Propylene	NA
Ethane	NA
Butane & Heavier	NA
Sulfur	NA

SARA Section 311/312:

The following EPA hazard categories apply to this product

Acute Health Hazard
Fire Hazard
Sudden Release Of Pressure.

SARA Section 313.

This product contains the following component(s) that may be subject to reporting on the Toxic Release Inventory (TRI) From R:

Name	CERCLA/SARA 313 Emission reporting:
Propane	None
Propylene	1.0 percent or minimis concentration
Ethane	None
Butane & Heavier	None
Sulfur	None

State and Community Right-To-Know Regulations:

The following component(s) of this material are identified on the regulatory lists below:

MSDS ID NO.: 10100000000000000000

Product name: 100A Propane

Propane

Louisiana Right-To-Know	Not Listed
California Proposition 65	Not Listed
New Jersey Right-To-Know	sn 1594
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 - fourth degree
New Jersey - Environmental Hazardous Substances List	SN 1594
Illinois - Toxic Air Contaminants	Not Listed
New York - Reporting of Releases Part 597 List of Hazardous Substances	Not Listed

Propylene

Louisiana Right-To-Know	Not Listed
California Proposition 65	Not Listed
New Jersey Right-To-Know	sn 1609
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	flammable - fourth degree
New Jersey - Environmental Hazardous Substances List	SN 1609
Illinois - Toxic Air Contaminants	Not Listed
New York - Reporting of Releases Part 597 List of Hazardous Substances	Not Listed

Butane

Louisiana Right-To-Know	Not Listed
California Proposition 65	Not Listed
New Jersey Right-To-Know	sn 0834
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	flammable - fourth degree

New Jersey - Environmental Hazardous Substances List:

Illinois - Toxic Air Contaminants

New York - Reporting of Releases Part 597
List of Hazardous Substances

SN 0834: NJ uses UN1035 for reporting purposes

Not Listed

Not Listed

Butane & Heavier

Louisiana Right-To-Know:

California Proposition 65:

New Jersey Right-To-Know:

Pennsylvania Right-To-Know:

Massachusetts Right-To-Know:

Florida substance List:

Rhode Island Right-To-Know:

Michigan critical materials register list:

Massachusetts Extraordinarily Hazardous Substances:

California - Regulated Carcinogens:

Pennsylvania RTK - Special Hazardous Substances:

New Jersey - Special Hazardous Substances:

New Jersey - Environmental Hazardous Substances List:

Illinois - Toxic Air Contaminants

New York - Reporting of Releases Part 597 -
List of Hazardous Substances:

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Sulfur

Louisiana Right-To-Know:

California Proposition 65:

New Jersey Right-To-Know:

Pennsylvania Right-To-Know:

Massachusetts Right-To-Know:

Florida substance List:

Rhode Island Right-To-Know:

Michigan critical materials register list:

Massachusetts Extraordinarily Hazardous Substances:

California - Regulated Carcinogens:

Pennsylvania RTK - Special Hazardous Substances:

New Jersey - Special Hazardous Substances:

New Jersey - Environmental Hazardous Substances List:

Illinois - Toxic Air Contaminants

New York - Reporting of Releases Part 597 -
List of Hazardous Substances:

Not Listed

Not Listed

sn 1757

[present]

Present

Not Listed

Flammable

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Not Listed

Canadian Regulatory Information

Canada DSL/NDSL Inventory

This product and/or its components are listed either on the Domestic Substances List (DSL) or the Non Domestic Substance List (NDSL)

Name	Canada - WHMIS: Classifications of Substances:	Canada - WHMIS: Ingredient Disclosure:
Propane	A B1	
Propylene	A B1	
Ethane	A B1	
Sulfur	B1	

16. OTHER INFORMATION

Additional Information: Data available

Prepared by: J. M. Parker Manager, Toxicology and Product Safety

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End of Safety Data Sheet



Material Safety Data Sheet

REGULAR UNLEADED GASOLINE

Section 1 Chemical Product and Company Information

SUPPLIER'S NAME.....	NOCO ENERGY CORP
SUPPLIER'S ADDRESS.....	700 Grand Island Blvd., Tonawanda, NY 14150
SUPPLIER NUMBER	1-800-500-6626
SUPPLIER IDENTIFIER	Conventional Gasoline
EMERGENCY PHONE NUMBER.....	1-800-424-9300 Chemtrec
SYNONYM	87 Octane, 89 Octane, 93 Octane
PRODUCT USE	Motor Fuel

Section 2 Composition/Information on Ingredients

Component	CAS No.	Amount (Vol%)
LIGHT PETROLEUM DISTILLATE	8006-61-9	0 - 99.9
TOLUENE	108-88-3	0 - 30
XYLENE	1330-20-7	0 - 25
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

	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 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	OSHA	C	300 ppm
TOLUENE	108-88-3	NIOSH	STEL	150 ppm
TOLUENE	108-88-3	ACGIH	TWA	50 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



Material Safety Data Sheet

REGULAR UNLEADED GASOLINE

Section 3 Fire and Explosion Hazard of Product

CONDITIONS OF FLAMMABILITY.....	Danger! Extremely flammable liquid! Vapors may explode!
MEANS OF EXTINCTION..	Use dry chemical, foam or carbon dioxide to extinguish fire. Use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak. Use water to flush spills away from sources of ignition. Do not flush down public sewers.
FLASHPOINT & METHOD OF DETERMINATION...	-37.00°C (-35°F) TCC
UPPER EXPLOSION LIMIT (% BY VOL.)...	7.6
LOWER EXPLOSION LIMIT (% BY VOL.)...	1.4
AUTO-IGNITION TEMPERATURE.....	444.00°C (833°F)
HAZARDOUS COMBUSTION PRODUCTS	Smoke or combustion
EXPLOSION DATA.	Irritating or toxic substances may be emitted upon thermal decomposition. Dangerous when exposed to heat or explosion hazard. Runoff to sewer may cause fire or explosion. Containers may explode in heat of fire.
SENSITIVITY TO STATIC DISCHARGE	N/A

Hazards Ratings:

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

	Health	Fire	Reactivity	PPI
NFPA	3	3	0	
HMIS	3	3	0	X

Section 4 First Aid Measures

SPECIFIC FIRST AID PROCEDURES	
SKIN CONTACT	Remove contaminated clothing immediately. Wash area of contact thoroughly with soap and water. Get medical attention if irritation persists. High pressure injections are serious medical emergencies. Get immediate medical attention.
INGESTION	<u>DO NOT INDUCE VOMITING BECAUSE OF DANGER OF ASPIRATING LIQUID INTO LUNGS.</u> Get immediate medical attention. If spontaneous vomiting occurs, monitor for breathing difficulty.
INHALATION	Remove affected person from source of exposure. If not breathing ensure open airway and institute CPR. If breathing is difficult, administer oxygen if available. Get medical attention.
EYE CONTACT	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

Section 5 Fire Fighting Measures

EXTINGUISHING MEDIA

The following media may be used to extinguish a fire involving this material. 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. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.



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REGULAR UNLEADED GASOLINE

Section 5 Fire Fighting Measures (continued)

FLAMMABLE PROPERTIES

	Typical	Minimum	Maximum	Test Result	Units	Method
Flash Point				-40 ESTIMATED	F	N/A
Autoignition Temperature				750 ESTIMATED	F	N/A
Lower Explosion Limit	5.5				%	N/A
Upper Explosion Limit	76				%	N/A

Section 6 Accidental Release Measures

ACTIVATE FACILITY SPILL CONTINGENCY or EMERGENCY PLAN

Vacuate 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 confirm spill areas. Spills may infiltrate subsurface soil or groundwater. Professional assistance may be necessary to determine the extent of subsurface impact.

carefully contain and stop the source of the spill, if it is safe to do so. Protect bodies of water by diking, absorbents or absorbent foam. Do not flush down sewer or drainage system. The use of fire fighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or area/equipment that require protection.

p with sand or other absorbent materials. Carefully shovel or sweep up into a waste container for reclamation or disposal – tion because flammable vapors may accumulate in closed containers.

use and clean up crew must be properly trained and must utilize proper protective equipment (see section 8).

Section 7 Handling and Storage

HANDLING

Use only in a well-ventilated area. Ground and bond containers when transferring material. NFPA class 1A 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.

Section 8 Exposure Controls and Personal Protection

(Consult With a Health and Safety Professional for Specific Selections)

ENGINEERING CONTROLS

Use with adequate ventilation. Use explosion-proof ventilation equipment.

PERSONAL PROTECTION

EYE PROTECTION

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



Material Safety Data Sheet

REGULAR UNLEADED GASOLINE

Section 8 Exposure Controls and Personal Protection (continued)

• 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 (e.g., acid suit) and boots are required. The following materials are acceptable for use as protective clothing: Polyvinyl alcohol (PVA); Polyethylene; 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.

Section 9 Physical /Chemical Properties

PHYSICAL STATE	Not determined
ODOR AND APPEARANCE	Clear liquid with a strong hydrocarbon odor
ODOR THRESHOLD	Not Determined
SPECIFIC GRAVITY	0.72 - 0.74 @ 60°F
VAPOR PRESSURE	760.00 MM HG @ 100°F
VAPOR DENSITY (air=1)	1.2 as Vapor
EVAPORATION RATE	(Water = 1); >1
BOILING POINT	13.0°C (55°F)
FREEZING POINT	Not determined
PH	Not determined
COEFFICIENT OF WATER/OIL DISTRIBUTION	Negligible
FLAMMABLE	100 % by weight

Section 10 Stability and Reactivity Data

CHEMICAL STABILITY	Stable
COMPATIBLE MATERIALS	Avoid contact with strong oxidizers
CONDITIONS TO AVOID	Avoid heat, sparks, and open flame
CONDITIONS OF REACTIVITY	Stable under normal conditions.
HAZARDOUS DECOMPOSITION PRODUCTS	Combustion may produce CO, CO ² and reactive hydrocarbons

Section 11 Toxicological Information

• POTENTIAL HEALTH EFFECTS

• PRE-EXISTING MEDICAL CONDITIONS

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;



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REGULAR UNLEADED GASOLINE

Section 11 Toxicological Information (continued)

• INHALATION

High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness and even death). Excessive exposure to mists or vapors generated by heat may cause irritation to eyes, nose, throat, lungs and respiratory tract. 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

Moderately irritating to the skin. Skin absorption of material may produce systemic toxicity. Prolonged or repeated contact can result in detaching and drying of the skin which may result in skin irritation and dermatitis (rash).

Draize Skin Score: Out of 80

LD50 (mg/kg): no data

• EYES

Moderately irritating to the eyes.

• INGESTION

Product may be harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. Irritating to mouth, throat, and stomach.

LD50 (g/kg): no data

Section 12 Ecological Information

Keep out of sewers, drainage areas, and waterways. Report spills and releases under Federal and State regulations.

Section 13 Disposal Considerations

This substance, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however it could be hazardous if it is considered toxic, corrosive, ignitable, or reactive according to Federal definitions.

Section 14 Transportation Information

SPECIAL SHIPPING INFORMATION	Ground lines and equipment used during transfer to reduce the possibility of static soaked-initiated fire or explosion
HAZARD CLASS	2 flammable liquid
DOT SHIPPING NAME	Gasoline
DOT IDENTIFICATION NUMBER	UN 1203
PACKING GROUP	PG II

Section 15 Regulatory Information

U.S. FEDERAL, STATE, and LOCAL REGULATORY INFORMATION

This product and its constituents listed herein are on the EPA TSCA Inventory. Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and or local reporting requirements. This product and/or its constituents may also be subject to other federal, state, or local regulations. Consult the regulations applicable to your facility/operation.

CLEAN WATER ACT (OIL SPILLS)

Any spill or release of this product to navigable waters or adjoining shorelines sufficient to cause any visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Resource Center (1-800-424-8802) or, if not practical, the U.S.



Material Safety Data Sheet

REGULAR UNLEADED GASOLINE

Section 15 Regulatory Information (continued)

Coast Guard with follow-up to the National Response Center as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

CERCLA SECTION 103 and SARA SECTION 304 (RELEASE TO THE ENVIRONMENT)

The CERCLA definition of hazardous substances contains a "petroleum exclusion" clause which exempts crude oil, refined, and unrefined petroleum products, and any indigenous components of such. However, other federal reporting requirements (e.g. SARA Section 304 as well as the Clean Water Act, if the spill occurs on navigable waters) may still apply.

SARA SECTION 311/312 - HAZARD CLASSES

ACUTE HEALTH	CHRONIC HEALTH	FIRE	SUDDEN RELEASE OF PRESSURE	REACTIVE
X	X	X	---	---

Regulatory List	Component	CAS No.
ACGIH - Occupational Exposure Limits - Carcinogens	BENZENE	71-43-2
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 - Carcinogens	BENZENE	71-43-2
ACGIH - Occupational Exposure Limits - Carcinogens	CUMENE	98-82-8
ACGIH - Occupational Exposure Limits - Carcinogens	CYCLOHEXANE	110-82-7
ACGIH - Occupational Exposure Limits - Carcinogens	ETHYL BENZENE	100-41-4
ACGIH - Occupational Exposure Limits - Carcinogens	N-HEXANE	110-54-3
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 - Short Term Exposure Limits	BENZENE	71-43-2
ACGIH - Short Term Exposure Limits	ETHYL BENZENE	100-41-4
ACGIH - Short Term Exposure Limits	LIGHT PETROLEUM DISTILLATE	8006-61-9
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	N-HEXANE	110-54-3
ACGIH - Skin Absorption Designation	NAPHTHALENE	91-20-3
ACGIH - Skin Absorption Designation	TOLUENE	108-88-3
CAA (Clean Air Act) - HCN Rule - Org. HAP	BENZENE	71-43-2
CAA (Clean Air Act) - HCN Rule - Org. HAP	CUMENE	98-82-8
CAA (Clean Air Act) - HCN Rule - Org. HAP	ETHYL BENZENE	100-41-4
CAA (Clean Air Act) - HCN Rule - Org. HAP	N-HEXANE	110-54-3
CAA (Clean Air Act) - HCN Rule - Org. HAP	NAPHTHALENE	91-20-3
CAA (Clean Air Act) - HCN Rule - Org. HAP	TOLUENE	108-88-3
CAA (Clean Air Act) - HCN Rule - Org. HAP	XYLENE	1330-20-7
CAA (Clean Air Act) - HCN Rule - SOGMI Chemicals	BENZENE	71-43-2
CAA (Clean Air Act) - HCN Rule - SOGMI Chemicals	CUMENE	98-82-8
CAA (Clean Air Act) - HCN Rule - SOGMI Chemicals	CYCLOHEXANE	110-82-7
CAA (Clean Air Act) - HCN Rule - SOGMI Chemicals	ETHYL BENZENE	100-41-4
CAA (Clean Air Act) - HCN Rule - SOGMI Chemicals	N-HEXANE	110-54-3
CAA (Clean Air Act) - HCN Rule - SOGMI Chemicals	NAPHTHALENE	91-20-3
CAA (Clean Air Act) - HCN Rule - SOGMI Chemicals	TOLUENE	108-88-3
CAA (Clean Air Act) - HCN Rule - SOGMI Chemicals	XYLENE	1330-20-7



Section 15 Regulatory Information (continued)

Canada - WHMIS - Ingredient Disclosure
 Canada - WHMIS - Ingredient Disclosure
 Canada - WHMIS - Ingredient Disclosure
 CERCLA/SARA - Haz Substances and their RQs
 CERCLA/SARA - Haz Substances and their RQs
 CERCLA/SARA - Haz Substances and their RQs
 CERCLA/SARA - Haz Substances and their RQs
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 CERCLA/SARA - Haz Substances and their RQs
 CERCLA/SARA - Haz Substances and their RQs
 CERCLA/SARA - Haz Substances and their RQs
 CERCLA/SARA - Section Emission Reports
 CERCLA/SARA - Section Emission Reports
 CERCLA/SARA - Section Emission Reports
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 CERCLA/SARA - Section Emission Reports
 CERCLA/SARA - Section Emission Reports
 CERCLA/SARA - Section Emission Reports
 CERCLA/SARA - Section Emission Reports
 CWA (Clean Water Act) - Hazardous Substances
 CWA (Clean Water Act) - Hazardous Substances
 CWA (Clean Water Act) - Hazardous Substances
 CWA (Clean Water Act) - Hazardous Substances
 CWA (Clean Water Act) - Hazardous Substances
 CWA (Clean Water Act) - Priority Pollutants
 CWA (Clean Water Act) - Priority Pollutants
 CWA (Clean Water Act) - Priority Pollutants
 CWA (Clean Water Act) - Priority Pollutants

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REGULAR UNLEADED GASOLINE

Section 15 Regulatory Information (continued)

CWA (Clean Water Act) - Toxic Pollutants
CWA (Clean Water Act) - Toxic Pollutants
CWA (Clean Water Act) - Toxic Pollutants
CWA (Clean Water Act) - Toxic Pollutants
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)
IARC - Group 3 (not classifiable)

Inventory - Canada - Domestic Substances List
Inventory - Canada - Domestic Substances List
Inventory - Canada - Domestic Substances List
Inventory - Canada - Domestic Substances List
Inventory - Canada - Domestic Substances List
Inventory - Canada - Domestic Substances List

Inventory - Canada - Domestic Substances List
Inventory - Canada - Domestic Substances List
Inventory - Canada - Domestic Substances List
Inventory - Canada - Domestic Substances List
Inventory - TSCA - Sect. 8(b) Inventory
Inventory - TSCA - Sect. 8(b) Inventory
Inventory - TSCA - Sect. 8(b) Inventory
Inventory - TSCA - Sect. 8(b) Inventory
Inventory - TSCA - Sect. 8(b) Inventory
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Inventory - TSCA - Sect. 8(b) Inventory
Inventory - TSCA - Sect. 8(b) Inventory
Inventory - TSCA - Sect. 8(b) Inventory
OSHA - Final PELs - Ceiling Limits
OSHA - Final PELs - Ceiling Limits
OSHA - Final PELs - Skin Notations
OSHA - Final PELs - Time Weighted Averages
OSHA - Final PELs - Time Weighted Averages
OSHA - Final PELs - Time Weighted Averages
OSHA - Final PELs - Time Weighted Averages
OSHA - Final PELs - Time Weighted Averages
OSHA - Final PELs - Time Weighted Averages
OSHA - Final PELs - Time Weighted Averages
OSHA - Regulated Carcinogens
OSHA - Select Carcinogens
Pennsylvania - RTK (Right to Know) List
Pennsylvania - RTK (Right to Know) List
Pennsylvania - RTK (Right to Know) List
Pennsylvania - RTK (Right to Know) List

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



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REGULAR UNLEADED GASOLINE

Section 15 Regulatory Information (continued)

Pennsylvania - RTK (Right to Know) List	THYL 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 - Special Hazardous Substances	BENZENE	71-43-2
TSCA - Sect. 12(b) - Export Notification	CYCLOHEXANE	110-82-7
TSCA - Sect. 12(b) - Export Notification	N-HEXANE	110-54-3
TSCA - Section 8(a) - PAIR Reporting List	NAPHTHALENE	91-20-3

Section 16 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 1.0 ppm for 8-hours; 5.0 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.

Preparation Date of Material Safety Data Sheet

DATE PREPARED	03/06/96
REVISION DATE	08/20/04

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