

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name:	260 GTX
<u>Manufacturer Information:</u>	Sunoco, Inc. (R&M) 1735 Market Street LL Philadelphia, Pennsylvania, 19103-7583
<u>Product Use:</u>	sunocomsds@sunocoinc.com Racing fuel California Air Resources Board (CARB): This product cannot be sold, offered for sale, supplied or offered for supply for motor vehicles in California except in competition racing vehicles. Legal For Use ONLY in Competition Racing Vehicles. Not Legal For Use in Any Other Motor Vehicle.

Emergency Phone Numbers:

 hemtrec	(800) 424-9300	24 Hours
unoco Inc.	(800) 964-8861	24 Hours

Information:

Product Safety Information (888) 567-3066

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Danger! Extremely flammable liquid and vapor. Static accumulator. May form an ignitable vapor/air mixture. Vapors may cause flash fire or explosion. Excessive exposure to mists or vapors generated by heat may cause irritation to eyes, nose, throat, lungs and respiratory tract. Harmful or fatal if swallowed. Pulmonary aspiration hazard. While ingesting or vomiting, may enter lungs and produce damage. Harmful if inhaled. Overexposure may lead to serious disturbances of heart rhythm and nervous system effects, including drowsiness, dizziness, nausea, headaches, paralysis, loss of consciousness and even death. May cause skin irritation. May cause eye irritation. Contains material or materials that may cause birth defects. May cause target organ or system damage to the following: central nervous system, eye, kidney, liver, respiratory system, skin, cardiovascular system, heart, peripheral nervous system,

Hazards Ratings:

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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount (Vol%)
ALKYLATE	64741-66-8	50 - 65
TOLUENE	108-88-3	35 - 45
N-BUTANE	106-97-8	2 - 5
XYLENE	1330-20-7	0.01 - 0.013
ETHYLBENZENE	100-41-4	0.001 - 0.01
N-HEXANE	110-54-3	0.001 - 0.01
CYCLOPENTANE	287-92-3	0.001 - 0.01

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. NOTE TO PHYSICIAN: 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.

SKIN

Immediately flush with large amounts of water for 20 minutes, use soap if available. Remove contaminated clothing, including shoes, after flushing has begun. Get prompt medical attention. Wash clothing before reuse. NOTE TO PHYSICIAN: Following injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss.

• EYES

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

• INGESTION

If swallowed, immediately contact a physician or Poison Control Center. Never give anything by mouth to an intoxicated, unconscious or convulsing person. Get immediate medical attention. Do not induce vomiting!

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. The use of fresh air equipment such as Self Contained Breathing Apparatus (SCBA) or Supplied Air Respirators should be worn for fire fighting if exposure or potential exposure to products of combustion is expected.

FLAMMABLE PROPERTIES

	Typical	Minimum	Maximum	Text Result	Units	Method
Flash Point				-40 Estimated	F	N/A
Autoignition Temperature				536 Estimated	F	N/A
Lower Explosion Limit	1.4				%	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. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Do not use spark-generating metals for sweeping up spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. 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.

7. HANDLING AND STORAGE

HANDLING

Follow all MSDS/label precautions even after container is emptied because it may retain product residue. Use only in a well-ventilated area. STATIC ACCUMULATOR. This liquid may form an ignitable vapor-air mixture in closed tanks or containers. This liquid may accumulate static electricity even when transferred into properly grounded containers. Bonding and grounding may be insufficient to remove static electricity. Static electricity accumulation may be significantly increased by the presence of small quantities of water. Always bond receiving container to the fill pipe before and during loading, following NFPA-77 and/or API RP 2003 requirements. Automatic gauging devices and other floats in vessels or tanks which contain static accumulating liquids should be electrically bonded to the shell. Bonding and grounding alone may be inadequate to eliminate fire and explosion hazards associated with electrostatic charges. In addition to bonding and grounding, efforts to mitigate the hazards of an electrostatic discharge may include, but are not limited to, ventilation, inerting and/or reduction of transfer velocities. Always keep the nozzle in contact with the container throughout the loading process. Do not fill any portable containers in or on a vehicle. Special precautions, such as reduced loading rates and increased monitoring, must be observed during "switch loading" operations (i.e. loading this material in tanks or shipping compartments that previously contained middle distillates or similar products). Non-equilibrium conditions may increase the risks associated with static electricity such as tank and container filling, tank cleaning, sampling, gauging, loading, filtering, mixing, agitation, etc. Dissipation of electrostatic charges may be improved with the use of conductivity additives when used with other mitigating efforts, including bonding and grounding. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Never siphon by mouth. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioned, or properly disposed of. A static electrical discharge can accumulate when this material is flowing through pipes, nozzles or filters or when it is agitated. A static spark discharge can ignite accumulated vapors particularly during dry weather. Always bond receiving containers to the fill pipe before and during loading. Always keep nozzle in contact with the container throughout the loading process. Do not fill any portable container in or on the vehicle.

• STORAGE

Keep away from heat, sparks, and flame. Keep container closed when not in use. Store in a cool dry place. Consult NFPA and / or OSHA codes for additional information. NFPA class IB storage. Flash point is less than 73 degrees F and boiling point is greater than or equal to 100 degrees F. Outside or detached storage is preferred.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult With a Health and Safety Professional for Specific Selections

ENGINEERING CONTROLS

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use with adequate ventilation. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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. Nitrile; Viton; Teflon;

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: Nitrile; Viton; Teflon; 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.

EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSURE LIMITS)

Limits 100 1000	ppm ppm
1000	
	ppm
	2211
50	ppm
500	ppm
150	ppm
20	ppm
200	ppm
150	ppm
100	ppm
100	ppm
20	ppm
100	ppm
600	ppm
	150 200 150 100 100 20 100

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Property	Typical	Units	Text Result	Reference
Appearance		other	Liquid	
Boiling Point		F	100-248	
Bulk Density		lb/gal	No data	
Melting Point		F	No data	
Molecular Weight		other	No data	
Octanol/Water Coefficient		other	No data	
рН		other	N/A	
Specific Gravity		other	0.76	
Solubility In Water		wt %	Nil	
Odor		other	Slight	
Odor Threshold		other	No data	
Vapor Pressure		psig	RVP 5.5	
Viscosity (F)		other	No data	
Viscosity (C)		other	No data	
% Volatile		wt %	100	

10. STABILITY AND REACTIVITY

STABILITY
Stable

CONDITIONS TO AVOID

Avoid heat, sparks and open flame. Avoid static discharge.

INCOMPATIBILITY The following materials

The following materials are incompatible with this product: Strong oxidizers Alkaline materials; Acids; Chlorine; Concentrated oxygen; Halogens and halogenated compounds; Hydrogen peroxide;

- HAZARDOUS DECOMPOSITION PRODUCTS Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.
 HAZARDOUS POLYMERIZATION
- Will not polymerize.

11. TOXICOLOGY INFORMATION

Single Exposure Health Effects

Oral: LD50 (g/kg):	No data
Dermal: LD50 (mg/kg):	No data
Inhalation: LC50 (mg/l): LC50 (mg/m3): LC50 (ppm):	No data No data No data

POTENTIAL HEALTH EFFECTS

INHALATION

High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness and even death). May cause serious disturbances of heart rhythm. Excessive exposure to mists or vapors generated by heat may cause irritation to eyes, nose, throat, lungs and respiratory tract. Solvent "huffing/sniffing" (abuse) or intentional prolonged overexposure to high levels of vapors can produce abnormal behavior, convulsions, hallucinations, delerium, nervous system damage, serious disturbances of heart rhythm and sudden death. See Section 15 for additional information.

SKIN

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).

EYES

Moderately irritating to the eyes. Contact with the eye may cause redness, burning, tearing and/or blurred vision.

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. May produce central nervous system effects, which includes dizziness, loss of balance and coordination, unconsciousness, coma and even death. Contains material or materials that can cause birth defects.

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, liver, kidney,

Additional Toxicology Information

No data available

Component Toxicity Information

Ethylbenzene, a component of this product, has been designated by the International Agency for Research on Cancer as "possibly carcinogenic to humans", based on increased tumor incidence in laboratory animals. Overexposure may lead to nervous system effects, including drowsiness, dizziness, nausea, headaches, paralysis, loss of consciousness and even death. Repeated overexposure has caused a hearing loss in laboratory animals. Hours of exposure to high airborne concentrations of toluene and xylene, minor components of this product, has caused a hearing loss in laboratory animals.

12. ECOLOGICAL INFORMATION

Gasoline spills are toxic to fish and aquatic flora.

13. 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.

14. TRANSPORT INFORMATION

<u>Governing Body</u> DOT	<u>Mode</u> Ground	<u>Proper Shippir</u> Gasoline	ng Name		
<u>Governing Body</u> DOT	<u>Mode</u> Ground	<u>Hazard Class</u> 3 (Flammable liquid)	<u>UN/NA No.</u> 1203	Label	

15. REGULATORY INFORMATION

This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): Maximum Wt%: Toluene- CAS Number 108-88-3, 50% The remaining Sara 313 components listed in Section 14 of the MSDS are less than the reported de minimis levels. This information must be included in all MSDSs that are copied and distributed for this material.

Regulatory List	Component	CAS No.
ACGIH - Occupational Exposure Limits - Carcinogens	ETHYLBENZENE	100-41-4
ACGIH - Occupational Exposure Limits - Carcinogens	TOLUENE	108-88-3
ACGIH - Occupational Exposure Limits - Carcinogens	XYLENE	1330-20-7
ACGIH - Occupational Exposure Limits - TWAs	CYCLOPENTANE	287-92-3
ACGIH - Occupational Exposure Limits - TWAs	ETHYLBENZENE	100-41-4
ACGIH - Occupational Exposure Limits - TWAs	N-BUTANE	106-97-8
ACGIH - Occupational Exposure Limits - TWAs	N-HEXANE	110-54-3
ACGIH - Occupational Exposure Limits - TWAs	TOLUENE	108-88-3
ACGIH - Occupational Exposure Limits - TWAs	XYLENE	1330-20-7
ACGIH - Short Term Exposure Limits	ETHYLBENZENE	100-41-4
ACGIH - Short Term Exposure Limits	XYLENE	1330-20-7
ACGIH - Skin Absorption Designation	N-HEXANE	110-54-3
CAA (Clean Air Act) - HON Rule - Organic HAPs	ETHYLBENZENE	100-41-4
CAA (Clean Air Act) - HON Rule - Organic HAPs	N-HEXANE	110-54-3
CAA (Clean Air Act) - HON Rule - Organic HAPs	TOLUENE	108-88-3
CAA (Clean Air Act) - HON Rule - Organic HAPs	XYLENE	1330-20-7
CAA (Clean Air Act) - HON Rule - SOCMI Chemicals	ETHYLBENZENE	100-41-4
CAA (Clean Air Act) - HON Rule - SOCMI Chemicals	N-HEXANE	110-54-3
CAA (Clean Air Act) - HON Rule - SOCMI Chemicals	TOLUENE	108-88-3
CAA (Clean Air Act) - HON Rule - SOCMI Chemicals	XYLENE	1330-20-7
CAA - 1990 Hazardous Air Pollutants	ETHYLBENZENE	100-41-4
CAA - 1990 Hazardous Air Pollutants	N-HEXANE	110-54-3
CAA - 1990 Hazardous Air Pollutants	TOLUENE	108-88-3

CAA - 1990 Hazardous Air Pollutants California - Prop. 65 - Developmental Toxicity California - Prop. 65 - Reproductive - Female California - Proposition 65 - Carcinogens List Canada - WHMIS - Ingredient Disclosure CERCLA/SARA - Haz Substances and their RQs CERCLA/SARA - Section 313 - Emission Reporting 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) - Toxic Pollutants CWA (Clean Water Act) - Toxic Pollutants IARC - Group 2B (Possibly carcinogenic to humans) IARC - Group 3 (not classifiable) IARC - Group 3 (not classifiable) Inventory - Australia (AICS) Inventory - Canada - Domestic Substances List Inventory - China Inventory - European EINECS Inventory Inventory - Japan - (ENCS) Inventory - Korea - Existing and Evaluated Inventory - Korea - Existing and Evaluated Inventory - Korea - Existing and Evaluated

XYLENE	1330-20-7
TOLUENE	108-88-3
TOLUENE	108-88-3
ETHYLBENZENE	100-41-4
CYCLOPENTANE	287-92-3
ETHYLBENZENE	100-41-4
N-BUTANE	106-97-8
N-HEXANE	110-54-3
TOLUENE ETHYLBENZENE	108-88-3
N-HEXANE	100-41-4 110-54-3
TOLUENE	10-54-3
XYLENE	1330-20-7
ETHYLBENZENE	100-41-4
N-HEXANE	110-54-3
TOLUENE	108-88-3
XYLENE	1330-20-7
ETHYLBENZENE	100-41-4
TOLUENE	108-88-3
XYLENE	1330-20-7
ETHYLBENZENE	100-41-4
TOLUENE	108-88-3
ETHYLBENZENE	100-41-4
TOLUENE	108-88-3
ETHYLBENZENE	100-41-4
TOLUENE	108-88-3
XYLENE	1330-20-7
ALKYLATE	64741-66-8
CYCLOPENTANE	287-92-3
ETHYLBENZENE	100-41-4
N-BUTANE	106-97-8
N-HEXANE	110-54-3
TOLUENE	108-88-3
XYLENE ALKYLATE	1330-20-7 64741-66-8
ETHYLBENZENE	100-41-4
N-BUTANE	106-97-8
N-HEXANE	110-54-3
TOLUENE	108-88-3
XYLENE	1330-20-7
ALKYLATE	64741-66-8
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TOLUENE	108-88-3
XYLENE	1330-20-7
ALKYLATE	64741-66-8
CYCLOPENTANE	287-92-3
ETHYLBENZENE	100-41-4

Inventory - Korea - Existing and Evaluated Inventory - Philippines Inventory (PICCS) Inventory - TSCA - Sect. 8(b) Inventory Massachusetts - Right To Know List New Jersey - Department of Health RTK List New Jersey - Env Hazardous Substances List New Jersey - Special Hazardous Substances **OSHA - Final PELs - Ceiling Limits OSHA - Final PELs - Time Weighted Averages OSHA - Final PELs - Time Weighted Averages** OSHA - Final PELs - Time Weighted Averages OSHA - Final PELs - Time Weighted Averages Pennsylvania - RTK (Right to Know) List Pennsylvania - RTK (Right to Know) List

N-BUTANE	106-97-8
N-HEXANE	110-54-3
TOLUENE	108-88-3
XYLENE	1330-20-7
ALKYLATE	64741-66-8
CYCLOPENTANE	287-92-3
ETHYLBENZENE	100-41-4
N-BUTANE	106-97-8
N-HEXANE	110-54-3
TOLUENE	108-88-3
XYLENE	1330-20-7
ALKYLATE	64741-66-8
CYCLOPENTANE	287-92-3
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N-BUTANE	106-97-8
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CYCLOPENTANE	287-92-3
ETHYLBENZENE	100-41-4
N-BUTANE	106-97-8
N-HEXANE	110-54-3
TOLUENE	108-88-3
XYLENE	1330-20-7
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Title III Classifications Sections 311,312:

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

16. OTHER INFORMATION

Follow all MSDS/label precautions even after container is emptied because it may retain product residue. Keep out of reach of children. 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. For use as racing fuel only. Do not use for any other purpose. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner or properly disposed of. Email Address: For MSDS requests/information please contact sunocomsds@sunocoinc.com