



Material Safety Data Sheet

Product Name: TOTAL UNLEADED GASOLINE (all octanes and grades) Revised: 01/25/96

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TOTAL UNLEADED GASOLINE (all octanes and grades)

Description: non-oxygenated gasoline

Product Identifiers: No-Lead Regular, Midgrade

No-Lead Premium, Premier

Premier Plus, Premier Elite

Manufacturer: Total Petroleum Inc., 900 19th Street, Denver, CO 80202-2523

Phone Number: NON-EMERGENCY: (303)291-2000, 8-4 MST EMERGENCY: (800)424-9300

CHEMTREC #: 1-800-424-9300

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Percent
Benzene	00071-43-2	0-5
o-Xylene	00095-47-6	0-5
1,2,4-Trimethylbenzene	00095-63-6	0-3.5
Ethylbenzene	00100-41-4	0-2.0
p-Xylene	00106-42-3	0-2.0
m-Xylene	00108-38-3	0-4.0
Toluene	00108-88-3	2-7
Pentane	00109-66-0	0-1
n-Hexane	00110-54-3	0-1
Gasoline	08006-61-9	100.0
Hexane (other isomers)	NA	0-4

EXPOSURE INFORMATION

Ingredients	TLV	PEL	ACGIH STEL	OSHA STEL
Benzene	10 ppm	1 ppm	5 ppm	5 ppm
o-Xylene	100 ppm	100 ppm	400 ppm	
1,2,4-Trimethylbenzene	25 ppm	25 ppm		
Ethylbenzene	100 ppm	100 ppm	125 ppm	125 ppm
p-Xylene	100 ppm	100 ppm	400 ppm	
m-Xylene	100 ppm	100 ppm	400 ppm	
Toluene	100 ppm	100 ppm	150 ppm	
Pentane	600 ppm	600 ppm	750 ppm	
n-Hexane	50 ppm	50 ppm		
Gasoline	300 ppm	300 ppm	500 ppm	500 ppm
Hexane (other isomers)	50 ppm	50 ppm	NA	NA

NTP, IARC, and OSHA have determined that benzene causes leukemia in humans.

Exposure limits expressed as 8-hour TWA concentrations in parts per million (ppm), or milligrams per cubic meter (mg/m3).

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3. HAZARDS IDENTIFICATION

Routes of Entry:

Inhalation? Yes Skin? Yes Ingestion? Yes

EXPOSURE EFFECTS

Symptoms of exposure:

Headache, drowsiness, eye, respiratory or skin irritation, nausea, numbness.

Acute exposure effects:

Central nervous system depression, peripheral nervous system depression, narcosis, asphyxiation, gastrointestinal disturbances, and eye and skin irritation.

Chronic exposure effects:

Dermatitis, pneumonitis, pulmonary edema, and kidney damage.

Carcinogen Status: Yes

NTP? No

OSHA? No

IARC? Yes

Carcinogenicity statement:

IARC has determined that gasoline is possibly carcinogenic to humans because it contains benzene.

4. FIRST AID MEASURES

Emergency and First Aid procedures:

Remove from contaminated atmosphere. If not breathing, administer artificial respiration. Remove contaminated clothing. Flush affected areas with water.

IF SWALLOWED, DO NOT INDUCE VOMITING - SEEK MEDICAL ATTENTION IMMEDIATELY.

5. FIRE AND EXPLOSION DATA

Flashpoint: -40 F -40 C

Method used: PM

Autoignition Temperature: NA

LEL: 1.3%

UEL: 6.0%

Fire Fighting Procedures: SCBA may be required.

Extinguishing Media: CO2, Dry Chemical, Foam

Use water spray to cool containers

Unusual Fire and Explosion Hazards:

Explosion hazard when exposed to heat or flame. Vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.

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6. ACCIDENTAL RELEASE MEASURES**Spill/Release Instructions:**

Eliminate all sources of ignition. Contain with earthen dike or petroleum absorbent material. Remove with grounded suction pump to salvage container. Remove all contaminated materials.

7. HANDLING AND STORAGE INFORMATION**Storage and Handling Procedures:**

Keep away from all ignition sources (e.g. heat, flame, sparks, strong oxidizers). Bond and ground container. Store in safety containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Yes Local Exhaust: Explosion-proof equipment
For confined spaces

Respiratory protection:

NIOSH Approved Organic Vapor Respirator or Supplied Air Respirator.

Eye Protection: Chemical goggles or face shield.

Glove Protection: PVC/equivalent resistant glove

Work/Hygienic Practices: Keep body contact and splash to a minimum.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance: Clear, red, green, purple, or pale orange liquid

Product Odor: Characteristic gasoline odor

Specific Gravity: .65 to .75

Solubility in water: Insoluble

Boiling Point: 100 F 37.77 C

Freezing Point (F): NA

Melting point (F): NA

Vapor Density (Air = 1): 3 to 4

Vapor Pressure: 400 to 900

Reference: mmHg @ 100 F.

10. STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Hazardous Polymerization: No

Materials to Avoid: Oxidizers

Conditions to Avoid:

Heat/Spark/Flame/Elect. equip

Hazardous Decomposition:

Carbon monoxide and other petroleum decomposition products.

11. TOXICOLOGICAL INFORMATION

For detailed information, contact MSDS preparer at (303) 291-2272.

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12. ECOLOGICAL INFORMATION

For detailed information, contact MSDS preparer at (303) 291-2272.

13. DISPOSAL CONSIDERATIONS

Waste Management: Per federal, state and local laws.

14. TRANSPORTATION INFORMATION

Proper Shipping Name: GASOLINE

Hazard Class: 3

UN/NA Number: UN 1203

Packing Group: II

15. REGULATORY INFORMATION

Hazardous under Section 311: Yes

Fire Hazard: Yes

Sudden Release: No

Immediate: Yes

Reactive Hazard: No

Delayed: Yes

Section 313 listed components:

Benzene, Ethylbenzene, Mixed Xylenes, Toluene, 1,2,4-trimethylbenzene

16. OTHER INFORMATION

NEPA 704M Rating

NEPA Fire Code: 4

NEPA Health Code: 2

NEPA Reactivity Code: 0

NEPA Other: Blank

The information contained in this MSDS is believed to be accurate, but is not warranted to be, whether originated with Total Petroleum or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to the circumstances.

NA = No Applicable information was found

NEPA Key: 0 = insignificant

1 = slight

2 = moderate

3 = high

4 = extreme

Revised: 01/25/96

Issued: 10/23/1989

Prepared By: J.M. Kazarian

End of Document

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