



MATERIAL SAFETY DATA SHEET

GASOLINE, UNLEADED ALL GRADES (OXYGENATED)

SECTION 1 - PRODUCT and COMPANY IDENTIFICATION

MANUFACTURER:

NAVAJO REFINING COMPANY, LLC
PO BOX 159
ARTESIA, NM 88211-0159

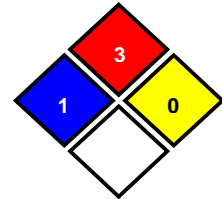
CONTACT INFORMATION:

Main Telephone – (575) 748-3311
Safety Department – (575) 365-8364 (24 Hours)
Environmental Department – (575) 365-8365 (24 Hours)

EMERGENCY PHONE NUMBERS:

CHEMTREC: 1-800-424-9300 (for fire, spill and emergency response information)
New Mexico Poison Information Center: 1-800-432-6866
Texas (El Paso) Poison Information Center: (915) 533-1244
Arizona Poison Information Center: 1-800-362-0101 or (602) 253-3334

PRODUCT NAME: Gasoline, Unleaded (Oxygenated)
CAS NUMBER: 8006-61-9
CHEMICAL FAMILY: Hydrocarbon
FORMULA: C₄H₁₀ – C₁₂H₂₆
SYNONYMS: UN 1203, Unleaded Gasoline, Petrol, STCC 4908178, Unleaded M



NFPA 704 (SECTION 16)

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	VOL %	CAS NO.	OSHA LIMITS (TWA)		NIOSH LIMITS (TWA)			ACGIH LIMITS (TWA)	
			PEL	STEL	REL	STEL	IDLH	TLV	STEL
Gasoline Containing	100%	8006-61-9	NE	NE	NE	NE	NE	300 ppm	500 ppm
Ethyl Alcohol	6-10%	64-17-5	1000 ppm	NE	1000 ppm	NE	3300 ppm	1000 ppm	NE
Benzene	<5%	71-43-2	1 ppm	5 ppm	0.1 ppm	1 ppm	500 ppm	0.5 ppm*	2.5 ppm
Ethyl Benzene	<10%	100-41-4	100 ppm	NE	100 ppm	125 ppm	800 ppm	100 ppm	125 ppm
Cyclohexane	1%	110-82-7	300 ppm	NE	300 ppm	NE	1300 ppm	300 ppm	NE
Toulene	<20%	108-88-3	200 ppm, 300 ppm C	500 ppm (Max)	100 ppm	150 ppm	500 ppm	20 ppm	NE
Xylenes	<20%	1330-20-7	100 ppm	NE	100 ppm	150 ppm	900 ppm	100 ppm	150 ppm
Cumene	1%	98-82-8	50 ppm	NE	50 ppm	NE	900 ppm	50 ppm	NE
1,2,4-Trimethyl Benzene	<10%	95-63-6	NE	NE	NE	NE	NE	25 ppm	NE
1,2,3-Trimethyl Benzene	<5%	526-73-8	NE	NE	25 ppm	NE	NE	25 ppm	NE

OTHER INGREDIENT INFORMATION: * Skin designation. **C** designates Ceiling Value, which should not be exceeded at any time. **(Max)** designates 10-minute maximum peak value, which should not to be exceeded at any time. **NE** designates Not Established.

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SECTION 3 - PHYSICAL DATA

BOILING POINT: 90 – 440°F
VAPOR PRESSURE: 465 – 698 mmHg @100°F
VAPOR DENSITY (AIR=1): 3 – 4
SOLUBILITY IN WATER: Slight
ODOR THRESHOLD: 0.25 ppm
APPEARANCE AND ODOR: Clear yellow liquid, aromatic odor, with a distinct ether smell.

SPECIFIC GRAVITY (WATER=1): 0.7 – 0.8
% VOLATILE BY VOLUME: 100%
EVAPORATION RATE: No data available
AUTOIGNITION TEMP: 830°F

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

CLASSIFICATION: Class IB, Flammable Liquid
FLASH POINT: –45°F (C.C.)
FLAMMABLE LIMITS: LEL = 1.4% UEL = 7.6%
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide (CO₂), foam, or Halon.
SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if possible. Use water to keep fire-exposed containers cool. Use foam for spill control.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Evacuate a radius of 1500 feet for uncontrolled fires. Vapors are heavier than air and may travel great distances and flash back.

NFPA FIRE = 3 (high)

SECTION 5 - REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID/INCOMPATIBILITY: Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide.

NFPA REACTIVITY = 0 (minimal)

SECTION 6 - HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation, ingestion, skin and eye contact

HEALTH HAZARDS: Chronic toxicity, possible cancer, irritation to eyes, skin, and mucous membranes, pulmonary edema, bronchial pneumonia, asphyxiation, liver and kidney damage, anemia, or myocardial damage.

CARCINOGENICITY: Gasoline is not listed by NTP or IARC. Benzene is listed by NTP and IARC.

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of eyes, skin and mucous membranes, dizziness, headaches, respiratory arrest, coughing, irregular heartbeat, mental confusion, vomiting, blurred vision, flushing of face, slurred speech, difficulty in swallowing, weakness, pain in limbs, coma, and convulsions. Also, gingival lining, insomnia, toxicity, psychosis, tremors, exaggerated tendon reflexes.

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SECTION 6 - HEALTH HAZARD DATA (Continued)

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Maintain respiration; assist with artificial respiration, if needed, and give oxygen if available and trained to do so. Seek medical attention. If liquid is in lungs (aspirated), seek medical care.

INGESTION: Do not induce vomiting. Immediately seek medical attention. Give water to dilute, if conscious.

SKIN: Remove gasoline-soaked clothing. Wash skin with soap and water. If irritation persists, seek medical attention.

EYES: Flush eyes with water for at least 15 minutes. Seek medical attention.

NFPA HEALTH = 1 (low)

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all sources of ignition. Contain spill, if possible. Use water fog to suppress vapor cloud. Use SCBA to avoid breathing vapors. Absorb liquid with sand or clay.

WASTE DISPOSAL: Dispose in accordance with RCRA regulations. Do not put in sewers or any watercourse.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: All equipment and storage containers should be properly grounded. This material is subject to OSHA and DOT regulations. Portable metal containers should be bonded to the storage container before transferring liquid.

OTHER PRECAUTIONS: Avoid breathing vapors. Extremely flammable. Do not weld on containers unless properly cleaned and purged using safe work procedures.

SECTION 8 - ENVIRONMENTAL AND SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH/MSHA-approved respiratory protection in areas exceeding exposure limits, the type to be determined by the degree of exposure.

VENTILATION: Use in well-ventilated area. Mechanical exhaust should be explosion-proof.

EYE/SKIN PROTECTION: Face shields, chemical protective gloves, goggles or safety glasses with side shields, and coveralls with long sleeves.

WORK/HYGIENIC PRACTICES: Remove contaminated clothing as soon as possible. Always wash after handling hazardous chemicals.

NOTICE: This product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

REFER TO DEPARTMENT OF TRANSPORTATION (DOT) EMERGENCY RESPONSE GUIDEBOOK GUIDE 128 FOR ADDITIONAL EMERGENCY INFORMATION.

This information is believed to be accurate and as reliable as information available to us. We make no warranty or guarantee as to its accuracy and assume no liability from its use. Users should determine the suitability of the information for their particular purposes.