

NAVAJO REFINING CO -- GASOLINE (UNLEADED) -- 9130-01-282-2844

===== Product Identification =====

Product ID:GASOLINE (UNLEADED)

MSDS Date:03/11/1992

FSC:9130

NIIN:01-282-2844

MSDS Number: BRGNR

=== Responsible Party ===

Company Name:NAVAJO REFINING CO

Address:501 E MAIN - DRAWER 159

City:ARTESIA

State:NM

ZIP:88210-2067

Country:US

Info Phone Num:505-748-3311

Emergency Phone Num:505-748-3311/800-42

4-9300(CHEMTREC)

CAGE:4K236

=== Contractor Identification ===

Company Name:BIG BEAR OIL CO INC

Address:421 FREDRICK ST

Box:2036

City:EL PASO

State:TX

ZIP:79950

Country:US

Phone:915-775-1945

CAGE:0BMM6

Company Name:NAVAJO REFINING COMPANY

Box:159

City:ARTESIA

State:NM

ZIP:88211-0159

Country:US

Phone:505-748-3311

CAGE:4K236

===== Composition/Information on Ingredients =====

Ingred Name:GASOLINE (CONTAINING THE FOLLOWING INGREDIENTS)

CAS:8006-61-9

RTECS #:LX3300000

Fraction by W

t: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM/500 STEL
ACGIH TLV:300 PPM/500STEL;9293

Ingred Name:BENZENE (SARA III), 1-5%
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: SEE # 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1PPM/5STEL;1910.1028
ACGIH TLV:10 PPM; A2; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:ETHYL BENZENE (SARA III), 1-3%
CAS:100-41-4
RTECS #:DA0700000
Fraction by Wt: SEE # 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM/125 STEL
ACGIH TLV:100 PPM
/125STEL 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:CYCLOHEXANE (SARA III), 1%
CAS:110-82-7
RTECS #:GU6300000
Fraction by Wt: SEE # 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:300 PPM
ACGIH TLV:300 PPM, 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA III), 1-5%
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: SEE # 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Na

me:XYLENES (O-,M-,P- ISOMERS) (SARA III), 4-6%

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: SEE # 1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:CUMENE (SARA III), 1%

CAS:98-82-8

RTECS #:GR8575000

Fraction by Wt: SEE # 1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 50 PPM

ACGIH TLV:S, 50 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III), 1%

CAS:95-63-6

RTECS #:DC3325000

Fraction by Wt: SEE # 1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM; 9293

===== Hazards Identification =====

LD50 LC50 Mixture:TLV FOR BENZENE IS 10 PPM.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE- INHALATION OF VAPORS MAY CAUSE
CNS DEPRESSION, CONVULSION, LOSS OF CONSCIOUSNESS. INGESTION HAS

SYMPTOMS SIMILAR TO INHALATION & ASPIRATION HAZARD. EYE/SKIN
CONTACT CAUSES IRRITATION. CHRONIC- DERMATITIS, NERVOUS SYSTEM,
KIDNEY, LIVER & BLOOD DISORDERS INCLUDING ANEMIA & LEUKEMIA. KIDNEY
CANCER IN LAB ANIMALS.

Explanation of Carcinogenicity:CONTAINS BENZENE. MAY CAUSE BLOOD
DISEASES INCLUDING LEUKEMIA. VAPORS MAY CAUSE KIDNEY CANCER IN MALE
RATS.

Effects of Overexposure:HEADACHE, NASAL & RESPIRATORY IRRITATION,
NAUSEA, DROWSINESS, FATIGUE, EYE & SKIN IRRITATION,

PULMONARY

EDEMA, CONVULSION & LOSS OF CONSCIOUSNESS

Medical Cond Aggravated by Exposure: BENZENE- INDIVIDUALS WITH LIVER, KIDNEY AND BLOOD DISEASES. HEXANE- INDIVIDUALS WITH NEUROLOGICAL DISEASES. PETROLEUM SOLVENT- THOSE WITH EXISTING DERMATITIS.

===== **First Aid Measures**=====

First Aid: CALL A PHYSICIAN IN ALL CASES. EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. INHALED: REMOVE TO FRESH AIR & PROVIDE CPR/OXYGEN IF NECESSARY. ORAL: DO NOT INDUCE VOMITING UNLESS INSTRUCTED BY A PHYSICIAN. CALL A PHYSICIAN IMMEDIATELY. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS.

===== **Fire Fighting Measures**=====

**Flash Point Method: CC
Flash Point: -45F, -43C
Autoignition Temp: Autoignition Temp Text: 830F
Lower Limits: 1.4
Upper Limits: 7.6
Extinguishing Media: USE CARBON DIOXIDE, FOAM, DRY CHEMICAL AND HALON. WATER MAY BE INEFFECTIVE. EXTINGUISH ONLY IF FLOW CAN BE STOPPED.
Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT & A FULL FACED SELF CONTAINED BREATHING APPARATUS/SUPPLIED-AIR RESPIRATOR. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard: FLOWING GASOLINE CAN BE IGNITED BY SELF-GENERATING STATIC ELECTRICITY (BOND AND GROUND CONTAINERS). VAPORS CAN TRAVEL TO IGNITION SOURCES AND FLASH BACK.**

===== **Accidental Release Measures**=====

**Spill
Release Procedures: WEAR PROTECTIVE EQUIPMENTS. ELIMINATE ALL SOURCES OF IGNITION. USE EXPLOSION-PROOF TOOLS. SHUT OFF FUEL SOURCE. DIKE SPILL. PREVENT LIQUID FROM ENTERING SEWERS/WATERWAYS. RECOVER FREE LIQUID. ADD SAND, EARTH OR OTHER ABSORBENT MATERIAL. TRANSFER TO CONTAINER.**

===== **Handling and Storage**=====

**Handling and Storage Precautions: STORE IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION REGULATIONS. KEEP CONTAINERS CLOSED.
Other P**

recutions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, SOLDER, DRILL OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS. THEY MAY EXPLODE AND CAUSE INJURY/DEATH. AVOID REP EATED OR PROLONGED CONTACT WITH SKIN.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR ORGANIC VAPOR RESPIRATOR OR SUPPLIED-AIR RESPIRATOR, IF NEEDED.

Ventilation:LOCAL/MECHANICAL (GENERAL) VENTILATION - EXPLOSION PROOF, WELL GROUNDED EQUIPMENTS

Protective Gloves:RUBBER RECOMMENDED

Eye Protection:CHEMICAL SPLASH GOGGLES & FACE SHIELD

Other Protective Equipment:IMPERVIOUS CLOTHING TO AVOID SKIN AND EYE CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH HANDS AFTER USING PRODUCT. AVOID BREATHING VAPORS OR MISTS.

Supplemental Safety and Health

PART NUMBER INDICATOR B IS FOR OXYGENATED GASOLINE WHICH CONTAINS

METHYL-TER-BUTYL ETHER OR DENATURED ETHYL ALCOHOL. PART NUMBER INDICATOR A HAS NONE. BOTH UNDER THE SAME NSN.

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===== Physical/Chemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:90 - 440F

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Vapor Pres:465 @ 100F

Vapor Density:3 - 4

Spec Gravity:0.7 - 0.8

Evaporation Rate & Reference:NOT KNOWN

Solubility in Water:SLIGHT

Appearance and Odor:CLEAR LIQUID - AROMATIC ODOR

Percent Volatiles by Volume:100

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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===== Disposal Considerations =====

Waste Disposal Methods:RECYCLE AS MUCH AS POSSIBLE. TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH ALL

APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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