

CENEX/LAND O LAKES AG SERVICES -- REGULAR UNLEADED AUTOMOTIVE GASOLINE --  
9130-01-282-2844

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

Product ID:REGULAR UNLEADED AUTOMOTIVE GASOLINE  
MSDS Date:02/01/1990  
FSC:9130  
NIIN:01-282-2844  
MSDS Number: BNBCQ  
=== Responsible Party ===  
Company Name:CENEX/LAND O LAKES AG SERVICES  
Address:NW 9087  
Box:1450  
City:MINNEAPOLIS  
State:MN  
ZIP:55485-9087  
Country:US  
Info Phone Number:612-451-5151  
Emergency Phone Num:612-451-5151/800-424-9300(CHEMTREC)  
CAGE:KO281  
=== Contractor Identification ===  
Company Name:CENEX/LAND O LAKES AG SERVICES  
Address:NW 9087  
Box:1450  
City:MINNEAPOLIS  
State:MN  
ZIP:55485-9087  
Country:US  
Phone:612-451-5151  
CAGE:KO281  
Company Name:CENEX/LAND O LAKES AG SERVICES  
Box:64089  
City:ST PAUL  
State:MN  
ZIP:55164-0089  
Country:US  
Phone:612-451-5151  
CAGE:0LMC0

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

Ingred Name:1,2,4-TRIMETHYLBE

NZENE (SARA III)  
CAS:95-63-6  
RTECS #:DC3325000  
Fraction by Wt: < 12%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:25 PPM  
ACGIH TLV:25 PPM; 9192

Ingred Name:HYDROCARBONS (AROMATIC & PARAFFINIC)  
Fraction by Wt: 50-80% %  
Other REC Limits:NONE SPECIFIED

Ingred Name:BENZENE (SARA III)  
CAS:71-43-2  
RTECS #:CY1400000  
Fraction by Wt: < 5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1PPM/5STEL;1910.1028  
ACGIH TLV:10 PPM; A2; 9192  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:ETHYL BENZENE (SARA III)  
CA  
S:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: 1 - 3%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/125 STEL  
ACGIH TLV:100 PPM/125STEL 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:CYCLOHEXANE (SARA III)  
CAS:110-82-7  
RTECS #:GU6300000  
Fraction by Wt: < 2%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:300 PPM  
ACGIH TLV:300 PPM, 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:CUMENE (SARA III)  
CAS:98-82-8  
RTECS #:GR8575000  
Fraction by Wt: < 2%  
Other REC Limits:NONE SPECIFIE

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OSHA PEL:S, 50 PPM  
ACGIH TLV:S, 50 PPM; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 10-15%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 10-20% %  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA  
Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III)  
CAS:1634-04-4  
RTECS #:KN5250000  
Fraction by Wt: < 15%  
Other REC Limits:NONE SPECIFIED  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:INHALATION CAUSES INTENSE

**BURNING OF**

MUCOUS MEMBRANES, THROAT AND RESPIRATORY TRACT, BRONCHOPNEUMONIA, PULMONAY EDEMA. REPEATED OR PROLONGED SKIN CONTACT CAUSES DERMATITIS, BLISTERING OF THE SKIN, DEF ATTING. EYE CONTACT MAY CAUSE HYPEREMIAOF THE CONJUNCTIVA. INGESTION MAY CAUSE CENTRAL NERVOUS SYSTEM DISTURBANCES.

Explanation of Carcinogenicity:THIS PRODUCT CONTAINS BENZENE WHICH IS LISTED AS A CARCINOGEN BY NTP, IARC AND OSHA.

Effects of Overexposure:BURNING OF MUCOUS MEMBRANES, THROAT, RES

PIRATORY TRACT, BRONCHOPNEUMONIA, PULMONAY EDEMA, DERMATITIS, SKIN BLISTERING, DEFATTING, INEBRIATION, DROWSINESS, BLURRED VISION, VERTIGO, CONFUSION, VOMITING, UNCONSCIOUSNESS, CONVULSIONS, CYANOSIS. ASPIRATION HAZARD.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

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

First Aid:EYES: FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES INCLUDING UNDER EYELIDS. CALL A P HYSICIAN. SKIN: REMOVE CONTAMINATED CLOTHING. WASH EFFECTED AREA WITH SOAP AND WATER. IF IRRITATION DEVELOPS, CALL A P HYSICIAN. INHALTION: REMOVE TO FRESH AIR. RESSTORE BREATHING AND ADMINISTER OXYGEN IF NEEDED. INGESTION: DO NOT INDUCE VOMITING! CONTACT A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:TCC

Flash Point:-50F,-46C

Lower Limits:1.4 %

Upper Limits:7.6 %

Extinguishin

g Media:DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM

Fire Fighting Procedures:USE OF WATER MAY BE INEFFECTIVE TO EXTINGUISH FIRE, BUT USE WATER SPRAY TO COOL FIRE EXPOSED DRUMS AND TANKS. FIRE-FIGHTERS SHOULD WEAR SCBA AND PROTECTIVE GEAR

Unusual Fire/Explosion Hazard:VAPORS CAN FLOW ALONG SURFACES, REACH DISTANT IGNITION SOURCES AND FLASH BACK. CAN REACT VIOLENTLY WITH OXIDIZING AGENTS.

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

Spill Release Procedures:

REPORT SPILLS AS REQUIRED. REMOVE SOURCES OF HEAT OR IGNITION. PROVIDE ADEQUATE VENTILATION. CLEAN-UP PERSONNEL REQUIRE PROTECTION AGAINST LIQUID CONTACT AND VAPOR INHALATION. CONTAIN SPILL. DO NOT ALLOW TO ENTER SEWER OR SURFACE WATER. ADD ABSORBENT

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF HEAT, IGNITION AND STRONG OXIDIZING AGENTS.

Other Precautions:PROTECT CONTAINERS FROM PHYSICAL DAMAGE. AVOID DIRECT SUNLIGHT. OUTDOOR OR DETACHED STORAGE PREFERRED. NO SMOKING IN AREAS OF USE. PREVENT STATIC ELECTRIC SPARKS AND USE EXPLOSION-PROOF ELECTRICAL SERVICES. AVOID SKIN CONTACT.

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

Respiratory Protection:APPROPRIATE NIOSH RESPIRATOR SHOULD BE AVAILABLE FOR NON-ROUTINE OR EMERGENCY USE ABOVE THE TLV.

Ventilation:USE GENERAL AND LOCAL EXHAUST VENTILATION (EXPLOSION-PROOF) TO KEEP VAPORS BELOW THE TLV REQUIREMENTS IN THE WORKPLACE.

Protective Gloves:RUBBER GLOVES

Eye Protection:CHEMICAL SAFETY GOGGLES OR FACESHIELD

Other Protective Equipment:RUBBER BOOTS, CLOTHING TO BE CHANGED DAILY AND LAUNDERED. EYEWASH FOUNTAINS, SHOWERS AND WASHING FACILITIES.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplementa

l Safety and Health

PROVIDE SUITABLE TRAINING TO THOSE HANDLING AND WORKING WITH THIS MATERIAL. AVOID INHALATION OF VAPORS. INDOOR USE OF THIS MATERIAL REQUIRES EXHAUST VENTILATION TO REMOVE VAPORS.

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

HCC:F2

Boiling Pt:B.P. Text:80.0F,26.7C

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

Vapor Pres:275-475

Vapor Density:3.0 - 4.0

Spec Gravity:0.65-0.75

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appe

Appearance and Odor: CLEAR, MOBILE LIQUID WITH A CHARACTERISTIC GASOLINE  
ODOR

Percent Volatiles by Volume: 100 %

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS

Stability Condition to Avoid: SPARKS, IGNITION SOURCES, OPEN FLAMES

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,  
HYDROCARBONS

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

Waste Disposal Methods: BURN SCRAP MATERIAL IN AN APPROVED INCINERATOR.

BURN CONTAMINATED LIQUID BY SPRAYING INTO AN INCINERATOR. DISPOSE IN  
ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL  
REGULATIONS.

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