

CENEX/LAND O LAKES AG SERVICES -- REGULAR UNLEADED AUTOMOTIVE GASOLINE --
9130-00-148-7103

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

Product ID:REGULAR UNLEADED AUTOMOTIVE GASOLINE
MSDS Date:02/01/1990
FSC:9130
NIIN:00-148-7103
MSDS Number: BMZQM
=== 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

=====
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

D
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.

=====
===== 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.

=====
===== 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.

=====
===== 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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.