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Product Identification
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Product ID:REGULAR UNLEADED AUTOMOTIVE GASOLINE

MSDS Date:02/01/1990

FSC:9130

NIIN:00-148-7102

MSDS Number: BMZQH

=== 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 Num:612-451-5151

Emergency Phone Num:612-451-5151/800-424-9300(CHE
MTREC)

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
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Ingred Name:1,2,4-TRIMETHYLBENZENE (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)
CAS: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 SPECIFIED
OSHA PEL:S, 50 PPM
ACGIH TLV:S, 50 PPM; 9192
EPA Rpt Qty:5000 L

BS
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-BU
TYL 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, B
RONCHOPNEUMONIA,
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,
RESPIRATORY 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.

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

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

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

Flash Point Method:TCC

Flash Point:-50F,-46C

Lower Limits:1.4 %

Upper Limits:7.6 %

Extinguishing 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.

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===== 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 AVIALABLE 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 SAAFETY 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.

Supplemental Safety and Health

PROVIDE SUITABLE TRAINING TO THOSE HANDLING A ND 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

Appearance and Odor:CLEAR, MOBILE LIQUID WITH A CHARACTERISTIC GASOLI NE

ODOR

Percent Volatiles by Volume:100 %

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===== 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

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

Waste Disposal Methods:BURN SCRAP MATERIAL IN AN APPROVED INCINERATOR. BURN CONTAMINATED IQUID BY SP

RAYING INTO AN INCINERATOR. DISPOSE IN
ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL
REGULATIONS.

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