

MANSFIELD OIL CO -- UNLEADED GASOLINE -- 9130-01-089-6745

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

Product ID:UNLEADED GASOLINE  
MSDS Date:12/19/1986  
FSC:9130  
NIIN:01-089-6745  
=== Responsible Party ===  
Company Name:MANSFIELD OIL CO  
Address:1025 AIRPORT PARKWAY SW  
City:GAINESVILLE  
State:GA  
ZIP:30505-0198  
Country:US  
Info Phone Num:404-532-7571  
Emergency Phone Num:404-532-7571  
CAGE:MO890

==== Contractor Identification ====

Company Name:MANSFIELD OIL CO  
Address:1025 AIRPORT PARKWAY SW  
Box:City:GAINESVILLE  
State:GA  
ZIP:30505-0198  
Country:US  
Phone:404-532-7571  
CAGE:MO890  
Company Name:MANSFIELD OIL CO OF GAINESVILLE INC  
Address:1025 AIRPORT PKY SW  
Box:City:GAINESVILLE  
State:GA  
ZIP:30505-0198  
Country:US  
Phone:404-532-7571  
CAGE:2Y744

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

Ingred Name:GASOLINE, A BLEND OF PARAFFINS, NAPHTHENES, AROMATICS &  
OLEFINS INCLUDING INGS 2-9  
CAS:8006-61-9  
RTECS #:LX3300000  
OSHA PEL:300 PPM; 500 STEL  
ACGIH TLV:300 PPM; 500 STEL

Ingred Name:TOLUENE  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: <25%  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES  
CAS:1330-20-7  
RTECS #:ZE2100000

Fraction by Wt: <20%  
OSHA PEL:100 PPM;150 PPM STEL  
ACGIH TLV:100 PPM;150 PPM STEL  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHER, TERT-BUTYL METHYL; (METHYL TERT-BUTYL ETHER) (MTBE)  
CAS:1634-04-4  
RTECS #:KN5250000  
Fraction by Wt: <10%  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:BENZENE  
CAS:71-43-2  
RTECS #:CY1400000  
Fraction by Wt: <5%  
OSHA PEL:1 PPM;5 PPM STEL  
ACGIH TLV:10 PPM  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:HEXANE; (N-HEXANE)  
CAS:110-54-3  
RTECS #:MN9275000  
Fraction by Wt: <5%  
OSHA PEL:500 PPM  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:CYCLOHEXANE  
CAS:110-82-7  
RTECS #:GU6300000  
Fraction by Wt: <5%  
OSHA PEL:300 PPM  
ACGIH TLV:300 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE  
CAS:100-41-4  
RTECS #:DA0700000  
Fraction by Wt: <5%  
OSHA PEL:100 PPM;125 PPM STEL  
ACGIH TLV:100 PPM;125 PPM STEL  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:NAPHTHALENE  
CAS:91-20-3  
RTECS #:QJ0525000  
Fraction by Wt: <5%  
OSHA PEL:10 PPM;15 PPM STEL  
ACGIH TLV:10 PPM;15 PPM STEL  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:SUPP DATA:MAY PRODUCE PERIPHERAL NEUROPATHY CHARACTERIZED  
BY PROGRESSIVE WEAKNESS & NUMBNESS IN EXTREMITIES, (ING 11)  
RTECS #:9999999ZZ

Ingred Name:ING 10:LOSS OF DEEP TENDON REFLEXES & REDUCTION OF MOTOR  
NERVE CONDUCTION VELOCITY.TOLUENE HAS BEEN REPORTED TO (ING 12)  
RTECS #:9999999ZZ

Ingred Name:ING 11: DECREASE IMMUNOLOGICAL RESPONSES IN TEST ANIMALS &  
CAUSE IRREVERSIBLE HEARING LOSS. CHRONIC ABUSERS OF (ING 13)  
RTECS #:9999999ZZ

Ingred Name:ING 12:SOLVS CONTAINING TOLUENE HAVE SUFFERED LIVER, KIDNEY  
& BRAIN DAM. XYLENE HAS BEEN REPORTED TO BE (ING 14)  
RTECS #:9999999ZZ

Ingred Name:ING 13:EMBRYOTOXIC, TERATOGENIC & CAUSE DEVELOPMENTAL  
DISTURBANCES IN RATS EXPOS IN UTERO.LONG TERM EXPOS TO VAP(ING 15)  
RTECS #:9999999ZZ

Ingred Name:ING 14:HAS CAUSED CANCER IN LAB ANIMALS.  
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC: VOMITING CAN RESULT IN ASPIRATION OF LIGHT  
HYDROCARBON LIQUID WHICH CAN CAUSE PNEUMONITIS.  
RTECS #:9999999ZZ

Ingred Name:OTHER PREC:NEVER SIPHON BY MOUTH. READ AND OBSERVE ALL  
PRECAUTIONS ON PRODUCT LABEL. KEEP OUT OF REACH OF CHILDREN.  
RTECS #:9999999ZZ

Ingred Name:EXPLO HAZ: EASILY & CAN BE SET ON FIRE BY MANY SOURCES SUCH  
AS PILOT LIGHTS, WELDING EQUIP & ELEC MOTORS & (ING 19)  
RTECS #:9999999ZZ

Ingred Name:ING 18:SWITCHES. NOTE:TOLUENE CAS#108-88-3 APPEARS ON THE  
NAVY LISTING OF OCCUP REPRO HAZ. SEEK CONSULTATION FROM(ING 20)  
RTECS #:9999999ZZ  
Other REC Limits:NONE SPECIFIED

Ingred Name:ING 19:APPROP HLTH PROFESSIONALS CONCERN LATEST HAZ LIST  
INFO & SAFE HANDLING AND EXPOSURE RECOMMENDATIONS .  
RTECS #:9999999ZZ  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:EYE:IRRIT MAY RSLT FROM CONT  
W/LIQ/EXPOS TO VAP. SKIN: PRLNGD/FREQUENTLY RPTD LIQ CONT MAY CAUSE  
SKIN TO BECOME CRACKED/DRY FROM DEFAT ACTION. INHAL:PRLNGD/RPTD  
BRTHG OF GASOLINE VAP MAY BE HARMFUL. I NGEST:ONLY SLIGHTLY TOX BY  
INGEST.INGEST/INHAL @ AIRBORNE CONC EXCEEDING 1000 PPM MAY CAUSE  
SIGNS & (EFTS OF OVEREXPOS)

Explanation of Carcinogenicity: BENZENE: GROUP 1 (NTP), GROUP 1 (IARC), OSHA REGULATED.

Effects of Overexposure: HLTH HAZ: SYMPS OF CNS DEPRESS SUCH AS HDCH, DIZZ, LOSS OF APPETITE, WEAKNESS & LOSS OF COORDINATION. VAP CONC IN EXCESS OF 5000 PPM MAY CAUSE LOSS OF CONSCIOUSNESS, COMA & DEATH. INGEST OF PROD/SUBSEQ UENT VOMIT CAN RSLT IN ASPIR OF LIGHT HYDROCARBON LIQ WHICH CAN CAUSE PNEUMONITIS. (SUPP DATA)

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

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

First Aid: EYE: FLUSH IMMED W/FRESH WATER FOR @ LST 15 MIN WHILE HOLDING LIDS OPEN. IF IRRIT PERSISTS, SEE MD. SKIN: WASH THORO W/ SOAP & WATER. SEE MD IF ANY SIGNS/SYMPS DEVELOP/IF ANY IRRIT OCCURS. LAUNDRER CONTA MD CLTHG. INHAL: MOVE EXPOS PERS TO FRESH AIR. IF BRTHG HAS STOPPED, APPLY ARTF RESP. CALL MD IMMED. INGEST: DO NOT MAKE PERS VOMIT. CALL MD IMMED. NOTE TO MD: INGEST OF PROD/SUBSEQUENT (ING 16)

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

Flash Point: <-49F, <-45C  
Lower Limits: 1.4%  
Upper Limits: 7.6%  
Extinguishing Media: CO\*2, DRY CHEMICAL, FOAM, WATER FOG.  
Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . READ THE ENTIRE MSDS.  
Unusual Fire/Explosion Hazard: EXTREME FIRE HAZ. LIQ VERY QUICKLY EVAPS, EVEN @ LOW TEMPS & FORMS VAP (FUMES) WHICH CAN CATCH FIRE & BURN W/EXPLO VIOLENCE. INVISIBLE VAP SPREADS (ING 18)

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

Spill Release Procedures: ELIM ALL SOURCES OF IGNIT IN VICINITY OF SPILL/RELEASED VAP. CLEAN UP SM SPILLS USING APPROP TECHNIQUES SUCH AS SORBENT MATLS/PUMPING. WHERE FEASIBLE & APPROP, REMOVE CONTAMD SOIL. FOLLOW PRESCRIBED PROC S FOR REPORTING & RESPONDING TO LARGER RELEASES.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: USE AND STORE ONLY IN COOL, WELL VENTILATED AREA. KEEP CONTAINER CLOSED. DO NOT TRANSFER LIQUID TO AN UNLABELED CONTAINER. REPLACE CAP OR BUNG.  
Other Precautions: USE ONLY AS MOTOR FUEL. DO NOT USE FOR CLEANING, PRESS APPLIANCE FUEL/ANY OTHER SUCH USE. DO NOT USE/STORE NEAR FLAME, SPKS/HOT SURFS. DO NOT WELD, HEAT/DRILL CNTNR. EMPTIED CNTNR STILL CONTAINS HAZ/EXPLO VAP/LIQ. KEEP AWAY FROM EYES. (ING 17)

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

Respiratory Protection: AVOID PRLNGD BRTHG OF VAP BY USING NIOSH/MSHA APPROVED RESPIRATORY PROTECTION. IN OPEN AREAS, SUCH AS OUTDOOR GASOLINE TRANSFER AREAS, VENTILATION IS USUALLY ADEQUATE TO PREVENT PROLONGED BREATHING OF HIGH GASOLINE VAPOR CONCENTRATIONS.  
Ventilation: USE THIS MATERIAL ONLY IN WELL VENTILATED AREAS.

Protective Gloves:IMPERVIOUS GLOVES.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:IMPERVIOUS CLOTHING.  
Work Hygienic Practices:IF STRONG ODOR OF GASOLINE IS PRESENT/IF IRRIT  
OCCURS, LEAVE AREA/INSTITUTE SUITABLE PROTECTIVE MEASURES.  
Supplemental Safety and Health  
VP:5-15 PSI (MAX) @ 100F. HLTH HAZ: RPTD/PRLNGD BRTHG OF BENZENE VAPS  
HAS BEEN ASSOCD W/DEVELOPMENT OF CHROMOSOMAL DAM IN EXPERIMENTAL  
ANIMALS & VARIOUS BLOOD DISEASES IN HUMANS RANGING FROM APLASTIC  
ANEMIA TO LEUKEMIA & CAN BE FATAL. BENZENE CAN CROSS THE HUMAN  
PLACENTA. PRLNGD/RPTD CONT W/N-HEXANE (ING 10)

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

Boiling Pt:B.P. Text:>77F,>25C  
Vapor Pres:SUPP DATA  
Vapor Density:3-4  
Spec Gravity:0.7-0.8  
Solubility in Water:INSOLUBLE  
Appearance and Odor:CLEAR TO YELLOW LIQUID.  
Percent Volatiles by Volume:>99

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

Stability Indicator/Materials to Avoid:YES  
MAY REACT WITH STRONG OXIDIZING MATERIALS.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:NORMAL COMBUSTION FORMS CO\*2 & WATER  
VAPOR; INCOMPLETE COMBUSTION CAN PRODUCE CO.

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

Waste Disposal Methods:PLACE CONTAMD MATERIALS IN DISPOSABLE CONTAINERS  
AND DISPOSE OF IN A MANNER CONSISTENT WITH APPLICABLE REGULATIONS.  
CONTACT LOCAL ENVIRONMENTAL OR HEALTH AUTHORITIES FOR APPROVED  
DISPOSAL OF THIS MATL . DISPOSE OF I/A/W FED, STATE & LOCAL REGS .

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