

CONOCO INC -- GASOHOL, SUPER GASOHOL -- 9130-01-090-1092

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

Product ID:GASOHOL, SUPER GASOHOL

MSDS Date:01/01/1990

FSC:9130

NIIN:01-090-1092

MSDS Number: BRPGJ

=== Responsible Party ===

Company Name:CONOCO INC

Box:2197

City:HOUSTON

State:TX

ZIP:77252

Country:US

Info Phone Num:713-293-5550

Emergency Phone Num:800-424-9300 TRANS 800-441-3637 MED

CAGE:5R396

=== Contractor Identification ===

Company Name:CONOCO INC

Address:5 GREENWA

Y PLAZA E

Box:2197

City:HOUSTON

State:TX

ZIP:77252

Country:US

Phone:713-293-5550PRODUCT/ 800-4413637MED

CAGE:5R396

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

Ingred Name:GASOLINE UNLEADED

Fraction by Wt: >50%

Other REC Limits:NONE RECOMMENDED

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 0.1-4.9%

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 ALCOHOL (ETHANOL)  
CAS:64-17-5  
RTECS #:KQ6300000  
Fraction by Wt: 10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9293

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 12%  
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:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 15%  
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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:CONTAINS PETROLEUM HYDROCARBONS WHICH  
MAY CAUSE IRRITATION TO THE EYES, SKIN, AND LUNGS  
W/PROLONGED/REPEATED EXPOSURE. CONTAINS ETHYL ALCOHOL, EXTREME  
EXPOSURE OR ASPIRATION  
INTO LUNGS MAY CAUSE PNEUMONIA, DROWSINESS,  
DIZZINESS, SLURRED SPEECH, FLUSHED FACE, UNCONSCIOUSNESS OR  
CONVULSIONS. TOXIC TO LIVER & KIDNEYS.  
Explanation of Carcinogenicity:CONTAINS B [71-43-2] WHICH IS  
LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.  
Effects of Overexposure:IRRITATION TO THE EYES, SKIN, AND LUNGS AFTER  
PROLONGED/REPEATED EXPOSURE. ALSO MAY CAUSE PNEUMONIA, DROWSINESS,  
DIZZINESS, SLURRED SPEECH, FLUSHED FACE, UNCONSCIOUSNESS OR  
CONVULSIONS

Medical Cond Aggravated by Exposure:PROLONGED/REPEATED SKIN CONTACT

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, SEE A DOCTOR. EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. INHALED:REMOVE TO FRES H AIR. AID/RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER TO DILUTE & GE  
T IMMEDIATE MEDICAL CARE. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:TCC  
Flash Point:-50F,-46C  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.  
Fire Fighting Procedures:WATER MAY BE INEFFECTIVE, BUT MAY BE USED TO COOL FIRE EXPOSED CONTAINERS & TO DISPERSE VAPORS OR FLUSH LIQUID FROM AREAS OF IGNITION EXPOSURE.  
Unusual Fire/Explosion Hazard:HIGHLY FL  
AMMABLE! PRODUCTS OF COMBUSTION  
ARE CO, CO2 & OTHER TOXICS. DO NOT ENTER TANKS, VESSELS OR CONFINED SPACES W/O PROTECTIVE EQUIPMENT & SCBA.

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

Spill Release Procedures:REVIEW FIRE & EXPLOSION HAZARDS. WEAR PROTECTIVE EQUIPMENT. FLAMMABLE! CONTAIN SPILL TO AS SMALL AREA AS POSSIBLE. RECOVER AS MUCH LIQUID AS POSSIBLE. PLACE NON-RECOVERABLE PRODUCT & CONTAMINATED SOIL & DEBRIS IN CONTAINERS FOR DISPOSAL.  
Neutra  
lizing Agent:NO INFORMATION GIVEN ON MSDS BY MFR.

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

Handling and Storage Precautions:MFR: ? HMIS:HANDLE AND STORE AS A HIGHLY FLAMMABLE LIQUID.  
Other Precautions:"EMPTY" CONTAINERS CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, DRILL, GRIND, WELD OR PERFORM SIMILAR OPERATIONS ON OR NEAR CONTAINERS. STATIC ELECTRICITY MAY ACCUMULATE AND CREATE A FIRE HAZARD. GROUND CONTAINERS, FIXED & TRANSFER EQUIPMENT.

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

Respiratory Protection:SELECT APPROPRIATE NIOSH APPROVED RESPIRATOR TO MAINTAIN EXPOSURE BEOW ACCEPTABLE LIMITS.

Ventilation:USE ADEQUATRE VENTILATION TO MEET RECOMMENDED CONCENTRATION. AVOID SPARKING AND EXPLOSIVE MIXTURES.

Protective Gloves:NEOPRENE, NBR

Eye Protection:GOGGLES OR FACESHIELD IF SPLASH POSSIBLE

Other Protective Equipment:SUFFICIENT PROTECTIVE CLOTHING TO MINIMIZE SKIN EXPOSURE. LAUNDER CONTAMINATED CLOTHING B EFORE REUSE.

Work Hygienic Practices:MFR: ? HMIS:USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health  
KEY2:KT

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

HCC:F1

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:85.0F,29.4C

Vapor Pres:275-535 MM

Vapor Density:>1

Spec Gravity:0.71-0.78

Solubility in Water:PARTIALLY SOLUBLE

Appearance and Odor:WATER WHITE TO STRAW COLORED LIQUID, GASOLINE ODOR

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

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

Hazardous Decomposition Products:CARBON MONOXIDE MAY BE FORMED BY INCOMPLETE COMBUSTION.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Method

s:RECYCLE AS MUCH AS POSSIBLE. TREATMENT, STORAGE,  
TRANSPORTATION & DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL  
REGULATIONS. DO NOT WASH OR DRAIN TO SEWERS, WATERWAYS.

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