

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

==== Contrac

tor Identification ===

Company Name:CONOCO INC

Address:5 GREENWAY 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
RT
ECS #: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 EXPO

SURE. 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 FRESH AIR. AID/RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING.

GIVE 2 LARGE GLASSES OF MILK OR WATER TO DILUTE & GET 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 FLAMMABLE! 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.
Neutralizing 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 HAZA

RD. GROUND CONTAINERS, FIXED & TRANSFER EQUIPMENT.

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

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

Ventilation: USE ADEQUATE 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 BEFORE 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

E

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

===== Disp

Waste Disposal Methods: 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.

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.