

SHELL OIL COMPANY -- 02100, RU 2000 REGULAR UNLEADED GASOLINE -- 9130-01-089-6745

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

Product ID:02100, RU 2000 REGULAR UNLEADED GASOLINE

MSDS Date:09/18/1986

FSC:9130

NIIN:01-089-6745

MSDS Number: BNPVM

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819

Emergency Phone Num:713-473-9461;800-424-9300(CHEMTREC)

Preparer's Name:JOHN P. SEPESI

CAGE:

54527

=== Contractor Identification ===

Company Name:SHELL OIL COMPANY

Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

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

Ingred Name:GASOLINE, UNLEADED (ING 2-5 ARE CONSTITUENTS OF INGRED 01)

RTECS #:LY3373000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

Ingred Name:ALKANES, CYCLOALKANES, ALKENES & AROMATIC HYDROCARBONS

Fraction by Wt: BALANCE

Ingred Name:TOLUENE (SARA III)

CAS:108-8

8-3
RTECS #:XS5250000
Fraction by Wt: 0-25%
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENE (SARA III)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 0-25%
OSHA PEL:100 PPM;150 STEL
ACGIH TLV:100 PPM;150 STEL
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: 2.0 ML/KG INGESTED & VOMIT HAS NOT
OCCURRED, EMESIS SHOULD BE INDUCED W/MED SUPERVISION. (ING 16
RTECS
#:9999999ZZ

Ingred Name:ING 15:KEEP VICTIM'S HEAD BELOW HIPS TO PVNT ASPIR. IF SYMP
SUCH AS LOSS OF GAG REFLEX, CONVUL/UNCON OCCUR (ING 17)
RTECS #:9999999ZZ

Ingred Name:ING 16: BEFORE EMESIS, GASTRIC LAVAGE USING A CUFFED
ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.
RTECS #:9999999ZZ

Ingred Name:SPILL PROC:DIKE & CNTN. H*2O FOG MAY BE USEFUL IN
SUPPRESSING VAP CLOUD; CNTN RUN-OFF. REMOVE W/VACUUM TRUCKS (ING
19)
RTECS #:9999999ZZ

Ingred Name:ING 18: OR PUMP TO STORAGE/SALVAGE VE
SSELS. SOAK UP RESIDUE
W/AN ABSORB SUCH AS CLAY, SAND/OTHER SUITABLE MATL; (ING 20)
RTECS #:9999999ZZ

Ingred Name:ING 19:PLACE IN NON-LEAKING CNTNRS FOR PROPER DISP.FLUSH
AREA W/H*2O TO REMOVE TRACE RESIDUE; DISP OF FLUSH SOLN(ING 21)
RTECS #:9999999ZZ

Ingred Name:ING 20: AS ABOVE. SML SPILL: TAKE UP W/AN ABSORB & PLACE IN
NON-LEAKING CNTNRS; SEAL TIGHTLY FOR PROPER DISPOSAL.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:

LD50: (ORAL,RAT) > 5 G/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:EYE:MOD IRRIT. SKIN:PRLNGD & RPTD LIQ
CNTCT CAN CAUSE DEFATTING & DRYING RESULTING IN IRRIT & DERMATITIS.
INHAL:IRRIT TO NOSE, THROAT & RESP TRACT & ADDNL, MAY PRODUCE
LIVER & KIDNEY DMG. INGEST: HAR MFUL/FATAL. MAY RESULT IN VOMIT;
ASPIR (BRTHG) OF VOMITUS INTO LUNGS MAY RSLT IN ASPIR PNEUMONITIS.
(EFTS

OF OVEREXP)

Explanation of Carcinogenicity:BENZENE: KNOWN CARCINOGEN (NTP), GROUP 1
(IARC), OSHA-REGULATED, GASOLINE, UNLEADED GROUP 2B (IARC)

Effects of Overexposure:HLTH HAZ:EARLY TO MODERATE CNS DEPRESS MAY BE
EVIDENCED BY GIDDINESS, HDCH, DIZZ, & NAUS; IN EXTREME CASES, UNCON
& DEATH MAY OCCUR. ASPIR PNEUMONITIS MAY BE EVIDENCED BY COUGHING,
LABORED BRTHG & CYA NOSIS; IN SEV CASES DEATH MAY OCCUR. KIDNEY DMG
MAY BE EVIDENCED BY CHANGES IN URINE OUTPUT, URINE APPEARANCE(SU

PP

DATA)

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE, SKIN, & RESP
DISORDERS MAY BE AGGRAVATED BY EXPOS TO THIS PROD. IMPAIRED LIVER &
KIDNEY FUNCTION FROM PRE-EXISTING DISORDERS MAY BE AGGRAVATED BY
EXPOS TO THIS PRODUCT.

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

First Aid:EYE: FLUSH W/H*20 FOR @ LST 15 MIN WHILE HOLDING EYELIDS
OPEN. GET MED ATTN. SKIN: FLUSH W/H*20 WHILE REMOVING CONTAM
CLTHG/SHOES. FOLLOW BY WASHING W/SOAP & H*20.

DO NOT REUSE

CLTHG/SHOES UNTIL CLEAN ED. IF IRRIT PERSISTS, GET MED ATTN. INHAL:
REMOVE VICTIM TO FRESH AIR & PROVIDE O*2 IF BRTHG IS DFCLT. GIVE
ARTF RESP IF NOT BRTHG. GET MED ATTN. INGEST: DO NOT INDUCE
VOMITING. IF VOMIT (ING 14)

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

Flash Point Method:TCC

Flash Point:-40F,-40C

Lower Limits:1.3%

Upper Limits:7.6%

Extinguishing Media:H*20 FOG, FOAM, DRY CHEM/CO*2. DO NOT USE A DIRECT
STREAM OF H*20. PROD W

ILL FLOAT & CAN BE REIGNIT ON SURF OF H*2O.

Fire Fighting Procedures:DANGER. EXTREMELY FLAMM. CLEAR FIRE AREA OF UNPROT PERSONNEL & ISOLATE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT NIOSH/MSHA APPRVD SCBA & FULL PROT (SUPP DATA)

Unusual Fire/Explosion Hazard:VAP ARE HVR/AIR ACCUMLATING IN LOW AREAS TRAVELING ALONG THE GROUND AWAY FROM THE HNDLG SITE. DO NOT WELD, HEAT/DRILL ON/NEAR CNTNR. IF EMERGENCY (SUPP DATA)

===== Accidental Release Measures =====
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Spill Release Procedures:DANGER. EXTREMELY FLAMM. ELIM ALL IGNIT SOURCES. GROUND HNDLG EQUIP TO PVNT SPARKING. LRG SPILLS:ISOLATE HAZ AREA & DENY ENTRY TO UNNEC PERSONNEL. WEAR APPROP NIOSH/MSHA APPRVD RESP & PROT CLTHG. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO.(ING 18)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DANGER. EXTREMELY FLAMMABLE. AVOID HEAT/SPARK

S/OPEN FLAMES, INCLUDING PILOT LIGHTS, & STRONG OXIDIZING AGENTS. USE EXPLO-PROOF VENT TO PVNT ACCUM.

Other Precautions:ALL HNDLG EQUIP MUST BE GROUNDED TO PVNT SPARKING. HARMFUL/FATAL IF SWALLOWED. DO NOT SIPHON GASOLINE BY MOUTH. FOR USE AS A MOTOR FUEL ONLY. DO NOT USE AS A CLEANING SOLV/FOR OTHER NON-MOTOR FUEL USE S.

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

Respiratory Protection:UNDER CNDTNS OF POTENTIAL HIGH EXPOS, USE NIOSH/MSHA APPRVD RES

P. PER 29 CFR 1910.134 USE EITHER NIOSH/MSHA APPRVD ATMOSPHERE-SUPPLYING RESP/AIR-PURIFYING RESP FOR ORGANIC VAPS. FOR SERVICE STATION PE RSONNEL PROT, SEE SPEC FOR HNDLG & USE.

Ventilation:USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH W/SOAP & H*2O BEFORE EATING, DRINKING, SMOKING/USING TOIL

ET FACILITIES. LAUNDER CONTAM CLTHG BEFORE REUSE.

Supplemental Safety and Health

SPEC GRAV:0.72-0.76 (H*2O=1).FIRE FIGHT PROC: EQUIP.COOL FIRE EXPOS
CNTNRS W/H*2O.EXPLO HAZ:SITUATIONS REQUIRE DRILLING, ONLY TRAINED
EMERGENCY PERSONNEL SHOULD DRILL.WASTE DISP METH:RECYCLING R
ECOMMENDED.DISP OF I/A/W FED, STATE, LOC REGS. EFTS OF OVEREXP:OR
EDEMA. LIVER DMG MAY BE EVIDENCED BY (ING 6)

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

Boiling Pt:B.P. Text:100F,
38C
Vapor Pres:7-14.5 PSI
Vapor Density:3.5
Spec Gravity:SUPP DATA
Solubility in Water:NEGLIGIBLE
Appearance and Odor:BRONZE COLOR, CLEAR AND BRIGHT LIQUID. HYDROCARBON
ODOR.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:AVOID HEAT, SPARKS, OPEN FLAMES. PREVENT
VAPOR ACCUMULATION.
Hazardous Decomposition Products:CO AND OTHER UNIDENTIFIE
D ORGANIC
COMPOUNDS CAN BE FORMED UPON COMBUSTION.

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

Waste Disposal Methods:MATL IS PROD & NOT WASTE. IF DISCARDED/INTENDED
TO BE DISCARDED AS IS, IT IS LIQ IGNIT HAZ WASTE DEFINED IN RCRA
(40 CFR 261.21). EPA HAZ WASTE NO IS D001. FREE LIQ IGNIT WASTES
BANNED FROM DISP BY LA NDFILLING BULK/IN CNTNRS. RECOVER OR (SUPP
DATA)

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