

SHELL OIL COMPANY -- RU 2000 REGULAR UNLEADED GASOLINE -- 9130-00-148-7103

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

Product ID:RU 2000 REGULAR UNLEADED GASOLINE

MSDS Date:04/11/1990

FSC:9130

NIIN:00-148-7103

MSDS Number: BPMBK

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-241-4819

Emergency Phone Num:713-473-9461 (24 HOUR EMERGENCY)

Preparer's Name:J. C. WILLETT

C

AGE: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:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 0-25%

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:XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000
Fraction by Wt: 0-25%
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:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: 0-5%
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:HEXANE (N-HEXANE)
CAS:110-54-3
RTECS #:MN9275000
Fraction by Wt: 0-3%
Other REC Limits:NONE SPECIFIED
OSHA
PEL:500 PPM
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III)
CAS:1634-04-4
RTECS #:KN5250000
Fraction by Wt: 0-11%
Other REC Limits:NONE SPECIFIED
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ALKANES, CYCLOALKANES, ALKANES & AROMATIC HYDROCARBONS.
CAS:68475-59-2
Fraction by Wt: BALANCE
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS >5 GM/KG
Rou

tes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:EYE-IRRITATING. SKIN-PROLONGED OR
REPEATED CONTACT CAN CAUSE DEFATTING & DRYING, RESULTING IN SKIN
IRRITATION & DERMATITIS. INHALE-IRRITATION TO THE NOSE, THROAT &
RESPIRATORY TRACT & MAY PRODUCE LIVE R & KIDNEY DAMAGE. INGEST-MAY
BE HARMFUL/FATAL IF SWALLOWED, RESULTING IN VOMITING OR ASPIRATION
PNEUMONITIS.

Explanation of Carcinoge

nicity: BENZENE IS SUSPECTED OF CARCINOGENIC

(LUKEMIA) POTENTIAL IN MAN AND IS LISTED BY IARC, NTP AND OSHA.

Effects of Overexposure: GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA; IN
EXTREME CASES, UNCONCIOUSNESS AND DEATH MAY OCCUR. ASPIRATION
PNEUMONITIS CAN SHOW AS COUGHING, LABORED BREATHING AND CYANOSIS.
OTHER SIGN ARE CHANGES IN URINE OUTPUT, APPEARANCE OR EDEMA,
LOSS OF APPETITE, JAUNDICE AND PAIN IN THE UPPER ABDOMEN ON THE
RIGHT SIDE.

Medical Cond Aggravated by Exposu

re: PREEXISTING EYE, SKIN AND

RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS
PRODUCT. IMPAIRED LIVER AND KIDNEY FUNCTIONS FROM PREEXISTING
DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

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

First Aid: EYE-FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
SKIN-FLUSH WITH WATER, REMOVE SOILED CLOTHES/SHOES. WASH WITH SOAP
& WATER. INHALE-REMOVE TO FRESH AIR & PROVIDE OXYGEN IF HARD TO
BREATH. G IV
E CPR IF NOT BREATHING. GET MEDICAL ATTENTION.
INGEST-DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY
KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.
GET MEDICAL ATTENTION.

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

Flash Point Method: TCC

Flash Point: -40F, -40C

Autoignition Temp: Autoignition Temp Text: UNK

Lower Limits: 1.0

Upper Limits: 7.8

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL.
DO NOT USE WATER DI

RECTLY, PRODUCT WILL FLOAT & REIGNITE ON SURFACE.

Fire Fighting Procedures:DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR INCLUDING A NIOSH POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS. COOL CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR ACCUMULATING IN LOW AREAS & TRAVELING ALONG THE GROUND AWAY FROM THE HANDLING SITE. DO NOT WELD, HEAT OR DRILL NEAR CONTAINER.

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

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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT, ELIMINATE SOURCES OF IGNITION, ISOLATE AREA & DENY ENTRY. DIKE TO RETAIN LARGE SPILL. REMOVE WITH VACUUM TRUCK OR PUMP TO STORAGE/SALVAGE VESSEL. SOAK UP RESIDUE WITH INERT MATERIAL & FLUSH AREA WITH WATER TO REMOVE RESIDUE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. ALL HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING.

Other Precautions:DANGER. EXTREMELY FLAMMABLE. AVOID ALL IGNITION SOURCES & STRONG OXIDIZING AGENTS. HARMFUL OR FATAL IF SWALLOWED. DO NOT SIPHON GAS BY MOUTH. FOR USE AS A MOTOR FUEL ONLY. DO NOT USE AS A CLEANING SOLVENT OR FOR OTHER NON-MOTOR FUEL USE.

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

Respiratory Protection:UNDER CONDITIONS OF POTENTIAL HIGH EXPOSURE, USE A NIOSH/MSHA APPROVED RESPIRATOR IS RECOMMENDED, PER CURRENT 29 CFR

1910.134 OR 29 CFR 1910.1028 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

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

Protective Gloves:NITRILE RUBBER, VITON/NEOPRENE

Eye Protection:WEAR CHEMICAL GOGGLES.

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. WEAR IMPERVIOUS PROTECTIVE TYPE WORK CLOTHING (NITRILE RUBBER, POLYVINYL ALCOHOL, NEOPRENE)

Work

Hygienic Practices:WASH AFTER HANDLING & BEFORE EATING, DRINKING,
SMOKING OR USING TOILET. LAUNDER CONTAMINATED CLOTHING BEFORE
REUSE.

Supplemental Safety and Health

NOTE TO PHYSICIAN: IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED &
VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH MEDICAL
SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION.
IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSION, ETC OCCUR
BEFORE EMESIS, GASTRIC LAVAGE SHOULD BE CONSIDERED

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

HCC:F2
Boiling Pt:B.P. Text:100-425F
Vapor Pres:7-14.5 PSI
Vapor Density:3.5
Spec Gravity:0.72-0.76
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, SPAR
KS, OPEN FLAMES. PREVENT
VAPOR ACCUMULATION.
Hazardous Decomposition Products:CARBON MONOXIDE AND OTHER UNIDENTIFIED
ORGANIC COMPOUNDS CAN BE FORMED UPON COMBUSTION.

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

Waste Disposal Methods:PRODUCT RECOVERY & RECYCLING IS RECOMMENDED.
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND
LOCAL REGULATIONS.

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