

COASTAL CORP -- UNLEADED GASOLINE -- 9130-00-148-7103

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

Product ID:UNLEADED GASOLINE
MSDS Date:06/22/2000
FSC:9130
NIIN:00-148-7103
=== Responsible Party ===
Company Name:COASTAL CORP
Address:9 GREENWAY PLAZA
City:HOUSTON
State:TX
ZIP:77046
Country:US
Info Phone Num:713-877-1400
Emergency Phone Num:713-877-1400
Resp. Party Other MSDS Num.:MSDS NO: A0001.MSD
Chemtrec Ind/Phone:(800)424-9300
CAGE:46684
=== Contractor Identification ===
Company Name:COASTAL CORP
Address:9 GREENWAY PLAZA
Box:City:HOUSTON
State:TX
ZIP:77046
Country:US
Phone:713-877-6732
CAGE:46684

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

Ingred Name:BENZENE (SARA III)
CAS:71-43-2
RTECS #:CY1400000
Minumum % Wt:0.
Maxumum % Wt:5.
Other REC Limits:5 PPM STEL (MFG)
OSHA PEL:1PPM/5STEL;1910.1028
ACGIH TLV:10 PPM; A2; 9293
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Minumum % Wt:0.
Maxumum % Wt:25.
Other REC Limits:150 PPM STEL (MFG)
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

Minumum % Wt:0.
Maxumum % Wt:25.
Other REC Limits:150 PPM STEL (MFG)
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA III)
CAS:100-41-4
RTECS #:DA0700000
Minumum % Wt:0.
Maxumum % Wt:25.
Other REC Limits:125 PPM STEL (MFG)
OSHA PEL:100 PPM/125 STEL
ACGIH TLV:100 PPM/125STEL 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:HEXANE (N-HEXANE)
CAS:110-54-3
RTECS #:MN9275000
< Wt:3.5
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:HEXANES (OTHER THAN N-HEXANE)
< Wt:9.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:500 PPM

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III)
CAS:95-63-6
RTECS #:DC3325000
Minumum % Wt:0.
Maxumum % Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM; 9293

Ingred Name:CUMENE (SARA III)
CAS:98-82-8
RTECS #:GR8575000
Minumum % Wt:0.
Maxumum % Wt:2.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM AS S
ACGIH TLV:50 PPM AS S
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BUTANE
CAS:106-97-8

RTECS #:EJ4200000
< Wt:9.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:800 PPM
ACGIH TLV:800 PPM; 9293

Ingred Name:PENTANE
CAS:109-66-0
RTECS #:RZ9450000
< Wt:6.5
Other REC Limits:750 PPM STEL (MFG)
OSHA PEL:1000 PPM/750 STEL
ACGIH TLV:600 PPM/750STEL;9293

Ingred Name:TERT-BUTYL ALCOHOL (SARA III)
CAS:75-65-0
RTECS #:EO1925000
Minumum % Wt:0.
Maxumum % Wt:10.
Other REC Limits:150 PPM STEL (MFG)
OSHA PEL:100 PPM
ACGIH TLV:100PPM 9394

Ingred Name:METHYL TERT-BUTYL ETHER (SARA III)
CAS:1634-04-4
RTECS #:KN5250000
Minumum % Wt:0.
Maxumum % Wt:15.
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NONE PROVIDED BY MFR
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: EYES: SLIGHT TO MODERATE EYE
IRRITATION. SKIN: MODERATELY IRRITATING. INHALATION: IRRITATING TO
MUCOUS MEMBRANE AND RESPIRATORY TRACT. CAN ACT AS A SIMPLE
ASPHYXIAANT. INGESTION: MAY CAUSE STOMA CH IRRITATION. CHRONIC: SKIN
AND EYE IRRITATION. MAY AFFECT THE RESPIRATORY AND CENTRAL NERVOUS
SYTEM. RECENT STUDIES INDICATE KIDNEY DAMAGE AND KIDNEY CANCER IN
RATS, AND LIVER CANCER IN MICE.
Explanation of Carcinogenicity:CARCINOGENICITY: UNLEADED GASOLINE- NTP,
NO; IARC MONOGRAPHS, POSSIBLE CARCINOGENIC TO HUMANS; OSHA
REGULATED, NO. BENZENE- NTP, YES; IARC MONOGRAPHS, YES; OSHA
REGULATED, YES.
Effects of Overexposure:SKIN: REDNESS, DRYING OF THE SKIN. INHALATION:
GASTRITIS, HEADACHE, NAUSEA, DROWSINESS, LOSS OF CONCIOUSNESS,
CONVULSIONS, CYANOSIS, PNEUMONITIS, PULMONARY EDEMA, CENTRAL
NERVOUS SYSTEM DEPRESSION AND CAPILLARY HEMORRHAGING OF THE LUNG
AND INTERNAL ORGANS. ASPIRATION HAZARD IF VOMITING OCCURS.
Medical Cond Aggravated by Exposure:EITHER CONCENTRATED OR DILUTE FORMS
OF THIS PRODUCT AT TLV(OR EVEN BELOW) MAY AGGRAVATE EXISTING
DERMATITIS OR RESPIRATORY DISORDERS. BENZENE DEGENERATES BLOOD
PRODUCING ORGANS LEADING TO LEUKEMIA.

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

First Aid:EYES:FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES INCLUDING UNDER EYELIDS. CONTACT A PHYSICIAN IMMEDIATELY, PERFERABLY AN OPHTHALMOLOGIST, SPEED & THOROUGHNESS IN RINSING EYES ARE IMPORTANT TO AVOID PERMANENT INJURY. SKIN:REMOVE CONTAMINATED CLOTHING & SHOES. WASH AFFECTED AREAS WITH SOAP & FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 TO 20 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. INHALATION :REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED APPLY ARTIFICIAL RESPIRATION. SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF SPONTANEOUS VOMITING OCCURS HOLD THE VICTIMS HEAD LOWER THAN HIPS TO PREVENT ASPIRATION.

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

Flash Point Method:TCC
Flash Point:=-42.6C, -45.F
Autoignition Temp:>257.2C, 495.F
Autoignition Temp Text:< 850F
Lower Limits:1.4%
Upper Limits:7.6%
Extinguishing Media:DRY CHEMICAL, FORM, OR CARBON DIOXIDE
Fire Fighting Procedures:USE A SMOTHERING TECHNIQUE FOR EXTINGUISHING FIRE. DO NOT USE A FORCED WATER STREAM DIRECTLY ON GASOLINE FIRES AS THIS WILL TEND TO SCATTER THE FIRE. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:FLOWING GASOLINE CAN BE IGNITED BY SELF-GENERATED STATIC ELECTRICITY: CONTAINERS SHOULD BE GOUNDED AND BONDED. RUNOFF TO SEWER MAY CREATE A FIRE OR EXPLOSION HAZARD WELL DOWNSTREAM FROM THE SOURCE

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

Spill Release Procedures:REMOVE SOURCES OF HEAT OR IGNITION INCLUDING INTERNAL COMBUSTION ENGINES AND POWER TOOLS. CLEAN UP SPILL, BUT DO NOT FLUSH TO SEWER OR SURFACE WATER. VENTILATE AREA AND AVOID INHALATION OF VAPORS OR MISTS.

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN A COOL PLACE, AWAY FROM INCOMPTABILE MATERIALS OR SOURCES OF HEAT AND IGNITION. GROUND & BOND ALL TRANSFER & STORAGE EQUIPMENT TO PREVENT STATIC SPARKS & EQUIP WITH SELF-CLOSING VALVES, PRESSURE VACUUM BUNGS & FLAME ARRESTORS.
Other Precautions:GASOLINE IS TO BE USED AS MOTOR FUEL ONLY. NEVER USE AS A CLEANING SOLVENT OR DEGREASER. USE EXPLOSION PROOF ELECTRICAL EQUIPMENT. NO SMOKING SHOULD BE ALLOWED IN AREA OF USE.

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

Respiratory Protection:USE APPROVED RESPIRATORY PROTECTIVE EQUIPMENT FOR CLEANING LARGE SPILLS OR ENTRY INTO TANKS, VESSELS OR OTHER CONFINED SPACES.

Ventilation:PROVIDE ADEQUATE GENERAL AND LOCAL VENTILATION TO MAINTAIN
AIRBORNE CHEMICAL CONCENTRATIONS BELOW APPLICABLE EXPOSURE
LIMITS.

Protective Gloves:WEAR IMPERVIOUS GLOVES

Eye Protection:REMOVE CONTACT LENSES & WEAR CHEMICAL SAFETY GLASSES OR
GOGGLES

Other Protective Equipment:OIL IMPERVIOUS INDUSTRIAL WORK CLOTHING TO
MINIMIZE SKIN CONTACT. EYE BATH AND SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:LAUNDER CONTAMINATED CLOTHING PRIOR TO REUSE.
WASH WITH SOAP AND WATER BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

THE VARIABLE COMPOSITION MAKES IT IMPOSSIBLE TO SET SPECIFIC EXPOSURE
LIMIT FOR ALL COMPOSITIONS OF THIS MATERIAL. SPECIFIC EXPOSURE
LIMITS FOR POTENTIAL COMPONENTS SUCH AS BENZENE SHOULD BE APPLIED
BASED ON AIR MONITORING TO ASSURE EMPLOYEES ARE NOT EXPOSED TO
EXCESSIVE VAPOR LEVELS OF COMPONENTS.

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

HCC:F1

Boiling Pt:B.P. Text:80 TO 430 F

Melt/Freeze Pt:M.P/F.P Text:VARIABLE

Decomp Temp:Decomp Text:NONE PROVIDED BY MFR

Vapor Pres:325-525 MMHG @ 100F

Vapor Density:3-4 (AIR=1)

Spec Gravity:0.7-0.77 @ 60/60F

Viscosity:1.4CST@ 40 C

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BRONZE FLUID, AROMATIC ODOR

Percent Volatiles by Volume:100

Corrosion Rate:NONE PROVIDED BY MFR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS AND ALKALIES, HALOGENS.

Stability Condition to Avoid:HEAT, SPARKS, FLAME, BUILD-UP OF STATIC
ELECTRICITY.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND
HYDROCARBONS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:CONTACT WITH FULL STRENGTH OR EVEN DILUTE
FORMULATIONS OF THIS PRODUCT OR EXPOSURE ABOVE AND/OR BELOW THE PEL
OR TLV MAY AGGRAVATE PRE-EXISTING DERMATITIS OR RESPIRATORY
DISORDERS IN CERTAIN INDIVIDUALS. THERE IS SUFFICIENT EVIDENCE FOR
THE CARCINOGENICITY OF BENZENE IN HUMANS. BENZENE MAY CAUSE
DEGENERATION IN BLOOD FORMING ORGANS LEADING TO ANEMIA WHICH MAY
FURTHER DEGRADE TO LEUKEMIA. BUTANE AND ISOBUTANE HAVE BEEN SHOWN
TO BE CARDIAC SENSITIZERS IN LABORATORY ANIMAL TESTING. N-HEXANE
HAS BEEN SHOWN TO CAUSE POLYNEUROPATHY IN ANIMAL TOXICOLOGICAL
TESTS.

===== Ecological Information =====

Ecological:NO DATA AVAILABLE.

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

Waste Disposal Methods:DISPOSE THROUGH A LICENSED WASTE DISPOSAL COMPANY. FOLLOW APPLICABLE FEDERAL, STATE, AND LOCAL WASTE DISPOSAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:GASOLINE, 3, UN1203, PACKING GROUP II

===== Regulatory Information =====

SARA Title III Information:SECTION 302 EPCRA EXTREMELY HAZARDOUS SUBSTANCES (EHS): NONE. SECTION 304 CERCLA HAZARDOUS SUBSTANCES: BENZENE, CAS# 71-43-2, 0-5.0 %, RQ 10 LB; TOLUENE CAS# 108-88-3, 0-25.0%, RQ 1000 LB; XYLENE, CA S# 1330-20-7, 0-25.0%, RQ 100 LB; ETHYL BENZENE, 100-41-4, 0-5.0%, RQ 1000 LB; N-HEXANE, 110-54-3, <3.5, RQ 5000 LB; HEXANE (OTHER ISOMERS), <9.0%, RQ 5000 LB; CUMENE, CAS# 98-82-8, 0-2.0%, 5000 LB; M ETHYLT-BUTYL ETHER, CAS# 1634-04-4, 0-15.0%, RQ 1000 LB. SECTION 311/312 HAZARD CATEGORIZATION: ACUTE, CHRONIC, & FIRE. SECTION 313 EPCRA TOXIC SUBSTANCES: SEE OTHER INFORMATION SECTION.

State Regulatory Information:CALIFORNIA PROPOSITION 65 WARNING- CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM MAY BE FOUND IN CRUDE OIL AND PETROLEUM PRODUCTS. ALTHOUGH IT I S POSSIBLE TO SUFFICIENTLY REFINA CRUDE OIL OR ITS END PRODUCTS TO REMOVE THE POTENTIAL FOR CANCER, WE ARE ADVISING THAT ONE OR MORE OF THE LISTED CHEMICALS MAY BE PRESENT IN SOME DETECTABLE QUANTIT IES. READ AND FOLLOW DIRECTIONS AND USE CARE WHEN HANDLING CRUDE OIL AND PETROLEUM PRODUCTS.

===== Other Information =====

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