

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

MSDS Number: BPNVJ

=== 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

=== Cont

ractor 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  
&lt; 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)  
&lt; Wt:9.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:500 PPM  
ACGIH TLV:500 PPM

Ingred Name:1,2,4-TRIMETHYLBENZEN

E (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  
&lt; 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  
&lt; 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 ASPHYXIA NT. INGESTION: MAY CAUSE STOMACH IRRITATION. CHRONIC: SKIN AND EYE IRRITATION. MAY AFFECT THE RESPIRATORY AND CENTRAL NERVOUS SYSTEM. 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 CONSCIOUSNESS, 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, PREFERABLY 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. INHA

LATION :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 Medi

a: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 =====

Handli

ng 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 AR

EA 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 COMPOSTIONS OF THIS MATERIAL. SPECIFIC EXPOSURE LIMITS FOR POTENTIAL COMPONENTS SUCH AS BENZE

NE SHOULD BE APPLIED

BA SED 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 OFSTATIC 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 N D 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, CAS# 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,