

COASTAL CORP -- DIESEL FUEL 1 -- 9140-00-274-1912

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

Product ID:DIESEL FUEL 1

MSDS Date:03/09/1992

FSC:9140

NIIN:00-274-1912

MSDS Number: BQNDG

=== 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

Preparer's Name:CLIFFORD D. SALAWAGE

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:PARAFFINIC HYDROCARBONS

Fraction by Wt: 50%

Other REC Limits:NONE RECOMMENDED

Ingred Name:OCTANE (INCLUDED IN INGREDIENT 1)

CAS:111-65-9

RTECS #:RG8400000

Fraction by Wt: 1.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM/375 STEL

ACGIH TLV:300 PPM/375STEL;9293

Ingred Name:NONANE (INCLUDED IN INGREDIENT 1)

CAS:111-84-2
RTECS #:RA6115000
Fraction by Wt: 3.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM; 9293

Ingred Name:NAPHTHENES
Fraction by Wt: 33.0%
Other REC Limits:NONE RECOMMENDED

Ingred Name:AROMATIC HYDROCARBONS
Fraction by Wt: 17.0%
Other REC Limits:NONE RECOMMENDED

Ingred Name:BENZENE (SARA III) (INCLUDED IN INGREDIENT 5)
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: 0.8%
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:TOLUENE (SARA III) (INCLUDED IN INGREDIENT 5)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 1.0%
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

Ingred Name:P-XYLENE (P-DIMETHYLBENZENE) (SARA III) (INCLUDED IN
INGREDIENT 5)
CAS:106-42-3
RTECS #:ZE2625000
Fraction by Wt: 1.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM/150 STEL
ACGIH TLV:100 PPM/150STEL;9

293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:M-XYLENE (M-DIMETHYLBENZENE) (SARA III) (INCLUDED IN
INGREDIENT 5)

CAS:108-38-3
RTECS #:ZE2275000
Fraction by Wt: 3.0%
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:O-XYLENE (O-DIMETHYLBENZENE) (SARA III) (INCLUDED IN
INGREDIENT 5)

CAS:95-47-6
RTECS #:ZE2450000
Fraction by Wt: 1.4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100PP
M/150 STEL
ACGIH TLV:100 PPM/150STEL;9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:1,3,5 TRIMETHYLBENZENE (MESITYLENE) (INCLUDED IN INGREDIENT
5)

CAS:108-67-8
RTECS #:OX6825000
Fraction by Wt: 1.4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III) (INCLUDED IN INGREDIENT
5)

CAS:95-63-6
RTECS #:DC3325000
Fraction by Wt: 3.8%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM; 9293

Ingred Name:1

,2,3 TRIMETHYLBENZENE (INCLUDED IN INGREDIENT 5)

CAS:526-73-8

RTECS #:DC3300000

Fraction by Wt: 1.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM; 9293

===== 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:ACUTE: MODERATE TO SEVERE EYE

IRRITATION, MODERATE SKIN IRRITATION, UPPER RESPIRATORY SYSTEM

IRRITAT

ION AND CENTRAL NERVOUS SYSTEM EFFECTS, ASPIRATION HAZARD IF

SWALLOWED. CHRONIC: DERMATITIS. BENZENE MAY CAUSE BLOOD CHANGES

LEADING TO ANEMIA AND LEUKEMIA. BENZENE IS ALSO A CANCER HAZARD.

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:INHALATION: COUGHING, SHORTNESS OF BREATH,

DIZZINESS, NAUSEA, FATIGUE, UNCONSCIOUSNESS, DEATH. EYES: REDNESS,

TEARING, BLURRED VISION. SKIN: R

EDNESS, BLISTERING, SWELLING.

INGESTION: NAUSEA, DIARRHEA, VOMITING, ABDOMINAL DISCOMFORT.

ASPIRATION INTO LUNGS MAY CAUSE HEMORRHAGING, PULMONARY EDEMA,

POSSIBLE DEATH.

Medical Cond Aggravated by Exposure:SKIN CONTACT MAY AGGRAVATE AN

EXISTING DERMATITIS.

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

First Aid:EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. SEE DOCTOR.

SKIN: REMOVE CONTAMINATED CLOTHING, FLUSH WITH WATER FOR 15

MINUTES. GET MEDI

CAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE.

RESUSCITATE OR GIVE OXYGEN IF NEEDED. GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD

LOWER THAN HIPS TO PREVENT ASPIRATION. SEE DOCTOR IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:100F,38C

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY.

WATER OR FOAM MAY CAUSE FROTHING AND SCATTER THE FIRE.

Fire

Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS, ESPECIALLY IN ENCLOSED AREAS. WATER SPRAY MAY BE USED TO COOL FIRE EXPOSED CONTAINERS AND EQUIPMENT.

Unusual Fire/Explosion Hazard:VAPORS HEAVIER THAN AIR. CAN TRAVEL A LONG DISTANCE ALONG GROUND AND FLASHBACK. FLOWING FLUID CAN BE IGNITED BY SELF-GENERATED STATIC ELECTRICITY.

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

Spill Release Procedures:VENTILATE AREA. AVOID BREATHING VAPOR. USE SCBA

OR SUPPLIED AIR IN CONFINED AREAS. CONTAIN SPILL. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. PREVENT ENTRY INTO SEWERS AND WATERWAYS. AVOID C ONTACT WITH SKIN, EYES, CLOTHING.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS IN A DRY, COOL PLACE, AWAY FROM IGNITION SOURCES AND INCOMPATIBLE MATERIALS. GROUND AND BOND AL CONTAINERS.

Other Precautions:"EMPTY" CONTAINERS

RS MAY CONTAIN RESIDUE AND CAN BE

HAZARDOUS. DO NOT CUT OR WELD. DO NOT PRESSURIZE, CUT, WELD, OR EXPOSE TO OPEN FLAME OR HEAT. CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE SCBA OR SUPPLIED AIR RESPIRATOR IF A LARGE SPILL OCCURS OR SPILL IS IN CONFINED SPACE OR ENCLOSED AREA.

Ventilation:LOCAL EXHAUST IS RECOMMENDED IF GENERATING MIST OR VAPOR, PA

RTICULARY IN ENCLOSED AREAS.

Protective Gloves:NITRILE GLOVES.

Eye Protection:CHEMICAL-TYPE GOGGLES OR FACESHIELD.

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS UNIFORMS OR COVERALLS. EYE WASH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. DRY CLEANING OF CONTAMINATED CLOTHING MAY BE MORE EFFECTIVE THAN NORMAL LAUNDERING.

Supplemental Safety and Health

WHOLE DIESEL EXHAUST IS A POTENTIAL CARCINOGEN. MINIMIZE EXPOSURE. NOTE TO PHYSICIAN: ASPIRATION

DURING EMESIS CAN DAMAGE LUNGS. TO
EVACUATE STOMACH USE GASTRIC LAVAGE AFTER ENDOTRACHEAL INTUBATION.
NOTE: PETROLEUM DISTILLATES HAVE PRODUCED KIDNEY AND LIVER DAMAGE
IN LABORATORY ANIMALS. NOTE: POUR POINT FROM "TIR".

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

HCC:F4
Boiling Pt:B.P. Text:300F,149C
Melt/Freeze Pt:M.P/F.P Text: