

COASTAL CORP -- JP-5 (TURBINE FUEL) -- 9130-01-287-2704

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

Product ID:JP-5 (TURBINE FUEL)

MSDS Date:02/14/1990

FSC:9130

NIIN:01-287-2704

MSDS Number: BQQQK

=== Responsible Party ===

Company Name:COASTAL CORP

Address:9 GREENWAY PLAZA

City:HOUSTON

State:TX

ZIP:77046

Country:US

Info Phone Num:713-877-1400 / FAX 713-877-6754

Emergency Phone Num:713-877-1400

Preparer's

Name:DELNO D. MALZAHN, CIH

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:KEROSENE

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM 9091

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

Routes of

Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE-SLIGHT TO MODERATE EYE IRRITATION.
SKIN-MODERATELY IRRITATING. INHALATION-IRRITATING TO MUCOUS
MEMBRANES & RESPIRATORY TRACT. INGESTION-CAN BE IRRITATING TO THE
MOUTH, THROAT & DIGESTIVE TRACT. CHRONIC: MAY CAUSE REDUCTION OF
ERYTHROCYTES, MARROW HYPOPLASIA, & HEMORRHAGING, PULMONARY EDEMA &
CHEMICAL PNEUMONITIS.

Explanation of Carcinogenic
ity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:SKIN-CAUSING REDNESS, DRYING OF SKIN.
INHALATION-WILL PRODUCE SYMPTOMS OF INTOXICATION SUCH AS HEADACHE,
DIZZINESS, NAUSEA, VOMITING, LOSS OF COORDINATION AND LOSS OF
CONSCIOUSNESS. INGESTION-ASPIRATION INTO THE LUNGS THROUGH
VOMITING MAY CAUSE HEMORRHAGING, PULMONARY EDEMA AND CHEMICAL
PNEUMONITIS.

Medical Cond Aggravated by Exposure:MAY AGGRAVATE PRE-EXISTING

DERMATITIS. MIDDLE DISTILLATES HAVE CAUSED KIDNEY DAMAGE AND SKIN
CANCER IN LABORATORY ANIMALS.

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

First Aid:EYE-FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MIN. GET
MEDICAL ATTENTION. SKIN-COOL THE EXPOSED AREA QUICKLY. REMOVE
CLOTHING. WASH AFFECTED AREA WITH SOAP & WATER. INHALATION-REMOVE
TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NOT BREATHING. GET
MEDICAL ASSISTANCE. INGESTION-DO NOT INDUCE VOMITING. IF
SPONTANEOUS VOMITING OCCURS, HOLD VICTIM'S HEAD LOWER THAN HIPS TO
PREVENT ASPIRATION.

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

Flash Point Method:CC
Flash Point:140F,60C
Autoignition Temp:Autoignition Temp Text:475F
Lower Limits:1.3
Upper Limits:8.0
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM, AND WATER
SPRAY. USE A WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.
Fire Fighting Procedures:USE A SMOTHERING TECHNIQUE FOR FIRES. DO NOT

USE A FORCED WATER STREAM DIRECTLY ON FIRES. FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS/CLOTHING.
Unusual Fire/Explosion Hazard:FLOWING FUEL CAN BE IGNITED BY SELF-GENERATED STATIC ELECTRICITY; CONTAINERS SHOULD BE GROUNDED AND BOUNDED.

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

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

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN A DRY COOL PLACE, AWAY FROM SOURCES OF HEAT OR IGNITION. GROUND & BOND ALL TRANSFER & STORAGE.

Other Precautions:DO NOT WELD, HEAT OR DRILL CONTAINER. REPLACE CAP OR BUNG. EMPTIED CONTAINER MAY CONTAIN HAZARDOUS OR EXPLOSIVE VAPOR OR LIQUID.

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

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

Ventilation:PROVIDE ADEQUATE VENTILATION TO KEEP MIST OR VAPORS BELOW ALLOWABLE EXPOSURE LEVELS.

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES/FACE SHIELD

Other Protective Equipment:WHEN SKIN CONTACT IS POSSIBLE WEAR IMPERVIOUS APRON, LONG SLEEVES, BOOTS AND FACE SHIELD.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

DOT HAZARD CLASS: COMBUSTIBLE LIQUID; NA 1993.

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

HCC:F4

Boiling Pt:B.P. Text:310F,154C

Melt/Freeze Pt:M.P/F.P Text:N.A.

Vapor Pres:1-2

Vapor Density:4.0

Spec Gravity:0.75-0.81

pH:N.A.

Viscosity:30 SUS

Evaporation Rate & Reference:N.A.

Sol

ubility in Water:INSOLUBLE

Appearance and Odor:WATER CLEAR TO LIGHT AMBER LIQUID. MILD PETROLEUM
ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HEAT, SPARK, FLAMES AND BUILD-UP OF STATIC
ELECTRICITY.

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

===== Disposal Considerations
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Waste Disposal Methods:DISPOSE THROUGH A LICENSED WASTE DISPOSAL
COMPANY. FOLLW FEDERAL, STATE AND LOCAL REGULATIONS.

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