

TESORO ALASKA PETROLEUM CO -- JET 5/ JP-4 -- 9130-00-256-8613

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

Product ID:JET 5/ JP-4

MSDS Date:01/02/1985

FSC:9130

NIIN:00-256-8613

MSDS Number: BPQRT

=== Responsible Party ===

Company Name:TESORO ALASKA PETROLEUM CO

Box:3691

City:KANAI

State:AK

ZIP:99611

Country:US

Info Phone Num:907-776-8191

Emergency Phone Num:907-776-8191

CAGE:TESOR

=== Contractor Identifica

tion ===

Company Name:TESORO ALASKA PETROLEUM CO

Box:3691

City:KANAI

State:AK

ZIP:99611

Country:US

Phone:907-776-8191

CAGE:TESOR

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

Ingred Name:HYDROCARBONS -- BLEND THAT CAN INCLUDE NORMAL AND BRANCHED
CHAIN ALKANES, CYCLOALKANES, ALKENES, AROMATIC AND ADDITIVES

Fraction by Wt: 100% %

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Ski

n:YES Ingestion:YES

Health Hazards Acute and Chronic:REPEATED OR PROLONGED SKIN EXPOSURE CAUSES DERMATITIS. INGESTION OR EXCESSIVE VAPORS CAN CAUSE CENTRAL NERVOUS SYSTEM DISTURBANCES. ASPIRATION AFTER INGESTION CAUSE BRONCHITIS, PNEUMONIA OR EDEMA WHICH CAN BE FATAL.

Explanation of Carcinogenicity:NOT SPECIFIED BY MANUFACTURER.

Effects of Overexposure:DERMATITIS, INEBRIATION, DROWSINESS, BLURRED VISION, VERTIGO CONFUSION, VOMITING, CYANOSIS, RESPIRATORY DIFFICULTIES

Medica

I Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY AND/OR SKIN CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING AND ADMINISTER OXYGEN IF NEEDED. I NGESTION: DO NOT INDUCE VOMITING. ASPIRATION HAZARD. CONTACT PHYSICIAN. SEEK PROMPT MEDIC AL ASSISTANTCE FOR FURTHER TREATMENT, OBSERVATION AND SUPPORT. IN ANY CASE IF IRRITATION PERSISTS, CALL DOCTOR.

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

Flash Point Method:CC

Flash Point:-35F,-37C

Autoignition Temp:Autoignition Temp Text:490F

Lower Limits:1.0 %

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM. USE OF WATER MAY BE INEFFECTIVE TO EXTINGUISH FIRE.

Fire Fighting Procedures:USE WATER SPRAY FOR COOLING FIRE EXPOSED DRUMS AND

TANKS TO PREVENT PRESSURE RUPTURE. VAPORS CAN FLOW ALONG SURFACES, REACH DISTANT IGNITION SOURCES AND FLASH.

Unusual Fire/Explosion Hazard:CAN REACT VIOLENTLY WITH OXIDIZING AGENTS. FIREFIGHTERS SHOULD WEAR WELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

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

Spill Release Procedures:NOTIFY SAFETY PERSONNEL OF LEAKS AND SPILLS. PROVIDE ADEQUATE VENTILATION. CLEAN UP PRESONNEL REQUIRE PROTECTION

AGAINST LIQUID CONTACT AND VAPOR INHALATION. CONTAIN SPILL. ADD ABSORBENT SOLID TO SMALL SPILLS OR RESIDUES AND PICK UP FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM SOURCES OF HEAT, IGNITION AND STRONG OXIDIZING AGENTS.

Other Precautions:PROTECT CONTAINERS FROM PHYSICAL DAMAGE. AVOID DIRECT

SUNLIGHT. OUTDOOR OR DETACHED STORAGE PREFERRED. NO SMOKING IN AREAS OF USE. PREVENT STATIC ELECTRIC SPARKS AND USE EXPLOSION-PROOF ELECTRICAL SERVICES.

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

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS ABOVE TLV.

Ventilation:REQUIRES BOTH LOCAL AND GENERAL (MECHANICAL) EXHAUST.

RECOMMEND EXPLOSION-PROOF VENTILATION.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective

Equipment:PROVIDE SUITABLE TRAINING TO THOSE HANDLING AND WORKING WITH THIS MATERIAL.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:F2

Boiling Pt:B.P. Text:160F,71C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:> 1

Spec Gravity:0.76 - 0.77

Evaporation Rate &

; Reference:NOT GIVEN

Solubility in Water:INSOLUBLE

Appearance and Odor:WATER WHITE LIQUID WITH CHARACTERISTIC ODOR WHICH CAN BE RECOGNIZED AT 10 PMM

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS

Stability Condition to Avoid:EXCESSIVE HEAT--A MIXTURE OF JP-4 VAPORS AND AIR CAN BE EXPLOSIVE.

Hazardous Decomposition Products:CARBON MONOXIDE, PARTIALLY OXIDIZED HYDROCARBONS

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.