

PRIDE REFINING, INC. -- JP-4 JET FUEL -- 9130-00-256-8613

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

Product ID:JP-4 JET FUEL

MSDS Date:01/01/1990

FSC:9130

NIIN:00-256-8613

MSDS Number: BPMQY

=== Responsible Party ===

Company Name:PRIDE REFINING, INC.

Box:3237

City:ABILENE

State:TX

ZIP:79604

Country:US

Info Phone Num:915-673-6753

Emergency Phone Num:915-673-6753/CHEMTREC 800-424-9300

CAGE:6G131

=== Contr

actor Identification ===

Company Name:PRIDE REFINING, INC.

Box:3237

City:ABILENE

State:TX

ZIP:79604

Country:US

Phone:915-673-6753/CHEMTREC 800-424-9300

CAGE:6G131

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

Ingred Name:ALIPHATIC PETROLEUM SOLVENT

CAS:8008-20-6

RTECS #:OA5500000

Fraction by Wt: 99.85%

Other REC Limits:NONE RECOMMENDED

Ingred Name:2-METHOXYETHANOL (EGME) (SARA III)

CAS:109-86-4

RTECS #:KL5775000

Fraction by Wt: 0.10%

Other REC Limits:NONE RECOMMENDED

O

SHA PEL:S, 25 PPM  
ACGIH TLV:S, 5 PPM; 9293

Ingred Name:BUTYL PHENOL  
CAS:28805-86-9  
RTECS #:SJ8922500  
Fraction by Wt: 23% PPM  
Other REC Limits:NONE RECOMMENDED

Ingred Name:PROPRIETARY INGREDIENTS (CORROSION INHIBITOR AND  
ANTISTATIC)  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT ESTABLISHED.  
ACGIH TLV:NOT ESTABLISHED.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Health Hazards Acute and Chronic:ACUTE-HIGH VAPO  
R CONCENTRATIONS MAY

CAUSE CNS  
DEPRESSION;I.E.HEADACHE,NAUSEA,DROWSINESS,DIZZINESS.ACCIDENTAL  
INGESTION MAY CAUSE SIMILAR SYMPTOMS.IT IS AN ASPIRATION HAZARD.MAY  
CAUSE EYE IRRITATION,RE DNESS,TEARING & BURNING.PROLONGED/REPEATED  
SKIN CONTACT CAN CAUSE IRRITATION,DEFATTING &  
DERMATITIS.CHRONIC-DERMATITIS.

Explanation of Carcinogenicity:MIDDLE DISTILLATES HAVE CAUSED SKIN  
CANCER AND KIDNEY DAMAGE IN ALBORATORY ANIMALS.

Effects of Overexposure:HIGH VAPOR CONCENTRATIONS M  
AY CAUSE CNS

DEPRESSION; I.E. HEADACHE, NAUSEA, DROWSINESS, DIZZINESS.  
ACCIDENTAL INGESTION MAY CAUSE SIMILAR SYMPTOMS. IT IS AN  
ASPIRATION HAZARD. MAY CAUSE EYE IRRITATION, REDNESS, TEARING &  
BURNING. PROLONGED/REPEATED SKIN CONTACT CAN CAUSE IRRITATION,  
DEFATTING & DERMATITIS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS OR IMPAIRED RESPIRATORY OR LIVER OR KIDNEY FUNCTION MAY  
BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

=====

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

First Aid:CALL A PHYSICIAN IN ALL CASES.EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.SKIN:WASH WITH SOAP & WATER.INHALED:REMOVE TO FRESH AIR & PROVIDE CPR/OXYGEN IF NECESSARY.ORAL:DO NOT INDUCE VOMITING.CALL A PHYSICIAN IMMEDIATELY.IF VOMITING OCCURS SPONTANEOUSLY,KEEP HEAD BELOW HIPS.

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

Flash Point:-8F,-22C

Autoignition

Temp:Autoignition Temp Text:464F

Lower Limits:1.3

Upper Limits:8

Extinguishing Media:USE CO2, FOAM, DRY CHEMICAL OR HALON. WATER MAY BE INEFFECTIVE. PRODUCT FLOATS ON SURFACE OF WATER & REIGNITES.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT & A FULL FACED SELF CONTAINED BREATHING APPARATUS/SUPPLIED-AIR RESPIRATOR.COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:SEVERE FIRE & EXPLOSION HAZARD INDOORS, OUTDOORS OR SEWERS. VAPORS MAY TRAVEL TO IGNITION SOURCE & FLASH BACK.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS.ELIMINATE ALL SOURCES OF IGNITION.USE EXPLOSION-PROOF TOOLS.SHUT OFF FUEL SOURCE.DIKE SPILL.PREVENT LIQUID FROM ENTERING SEWERS/WATERWAYS.RECOVER FREE LIQUID.ADD SAND,EARTH OR OTHER ABSORBENT MATERIAL.TRANSFER TOCONTAINER.

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

Handling and Storage Pre

cautions:STORAGE-STORE IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION REGULATIONS.KEEP CONTAINERS CLOSED.HANDLE IN WELL-VENTILATED AREA.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND CAN BE DANGEROUS.DO NOT PRESSURIZE,CUT,WELD,BRAZE,SOLDER,DRILL,GRIND OR EXPOSE SUCH CONTAINERS TO HEAT,FLAME,SPARKS.THEY MAY EXPLODE AND CAUSE INJURY/DEATH.AVOID REPEATED OR PROLONGED CONTACT WITH SKIN.

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

Resp

iratory Protection:WHEN CONCENTRATIONS IN AIR MAY EXCEED THE PERMISSIBLE EXPOSURE LIMIT, AND WHERE ENGINEERING, WORK PRACTICES ARE NOT ADEQUATE, WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OR ORGANIC VAPOR RE SPIRATOR OR SUPPLIED-AIR RESPIRATOR.

Ventilation:LOCAL/MECHANICAL (GENERAL) VENTILATION - EXPLOSION PROOF, WELL GROUNDED EQUIPMENTS

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES & FACE SHIELD

Other Protective Equipment:IMPERVIOUS CLOTHING TO AVOID SKIN AND EYE

CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:AVOID CONTACT WITH EYES, SKIN OR CLOTHING. WASH HANDS AFTER USING PRODUCT. AVOID BREATHING VAPORS OR MISTS.

Supplemental Safety and Health

FOR USE AS A MOTOR FUEL ONLY. DO NOT USE AS A CLEANING SOLVENT OR FOR OTHER NON-MOTOR FUEL USES. UNDER NORMAL WORKING CONDITIONS AT SERVICE STATIONS, A RESPIRATOR IS NOT WARRANTED.

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

HCC:F2

Boil

ing Pt:B.P. Text:293F,145C

Melt/Freeze Pt:M.P/F.P Text:-58F,-50C

Vapor Pres:212

Vapor Density:4.0

Spec Gravity:0.81

Viscosity:1.20CST @100F

Evaporation Rate & Reference:0.1 (N-BUTYL ACETATE=1)

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR AND BRIGHT - LIGHT KEROSENE ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES, STATIC ELECTRICIT

Y AND OTHER SOURCES OF IGNITION. PREVENT VAPORS ACCUMULATION.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. THIS MATERIAL IS CLASSIFIED BY THE EPA AS A HAZARDOUS WASTE UNDER RCRA. NO. D001 IGNITABLE WASTE.

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.