

DIAMOND SHAMROCK REFINING AND MARKETING CO -- JP-4 -- 9130-00-256-8613

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Product Identification
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Product ID:JP-4

MSDS Date:05/07/1992

FSC:9130

NIIN:00-256-8613

MSDS Number: BPMQV

=== Responsible Party ===

Company Name:DIAMOND SHAMROCK REFINING AND MARKETING CO

Address:9830 COLONNADE BLVD

Box:696000

City:SAN ANTONIO

State:TX

ZIP:78269-6000

Country:US

Info Phone Num:512-641-8800

Emergency

Phone Num:512-641-8800

CAGE:3P045

=== Contractor Identification ===

Company Name:DIAMOND SHAMROCK REFINING AND MARKETING CO

Address:9830 COLONNADE BLVD

Box:696000

City:SAN ANTONIO

State:TX

ZIP:78269-6000

Country:US

Phone:210-641-8601

CAGE:3P045

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Composition/Information on Ingredients
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Ingred Name:PENTANE

CAS:109-66-0

RTECS #:RZ9450000

Fraction by Wt: < 2.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM/750 STEL

ACGIH TLV:600 PPM/750STEL;9293

Ingred Name:HEXAN

E (N-HEXANE)

CAS:110-54-3

RTECS #:MN9275000

Fraction by Wt: < 5.5%

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:HEXANE ISOMERS (OTHER THAN N-HEXANE)

Fraction by Wt: < 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM (MFR)

ACGIH TLV:500 PPM (MFR)

Ingred Name:CYCLOHEXANE (SARA III)

CAS:110-82-7

RTECS #:GU6300000

Fraction by Wt: < 3.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM, 9293

EPA Rpt

Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: < 1%

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:METHYLCYCLOHEXANE

CAS:108-87-2

RTECS #:GV6125000

Fraction by Wt: < 8%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM

ACGIH TLV:400 PPM; 9293

Ingred Name:N-HEPTANE

CAS:142-82-5

RTECS #:MI7700000

Fraction by Wt: < 7%

Other REC Limits:NO

NE RECOMMENDED
OSHA PEL:500 PPM/500 STEL
ACGIH TLV:400 PPM/500STEL;9293

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: < 2%
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:OCTANE
CAS:111-65-9
RTECS #:RG8400000
Fraction by Wt: < 5.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM/375 STEL
ACGIH TLV:300 PPM/375STEL;9293

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)
CA
S:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: < 4%
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:NONANE
CAS:111-84-2
RTECS #:RA6115000
Fraction by Wt: < 3.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM; 9293

Ingred Name:TRIMETHYL BENZENE (SARA III)
CAS:25551-13-7
RTECS #:DC3220000
Fraction by Wt: < 1.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM
ACGIH TLV:25 PPM;

9293

Ingred Name:NAPHTHALENE (SARA III)
CAS:91-20-3
RTECS #:QJ0525000
Fraction by Wt: < 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM/15 STEL
ACGIH TLV:10 PPM/15 STEL; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:DIMETHOXYETHANE
CAS:110-71-4
RTECS #:KI1451000
Fraction by Wt: < 0.2%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:YES I
ngestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE-HIGH VAPOR 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:CONTAINS BENZENE WHIC
H CAUSES LEUKEMIA.

VAPORS CAN CAUSE KIDNEY CANCER IN MALE RATS & LIVER CANCER IN
FEMALE MICE.

Effects of Overexposure:HIGH VAPOR 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, REDNESS, TEARING &
BURNING. PROLONGED/REPEATED SKIN CONTACT CAN CAUSE IRRITATION,
DEFATTING & DERMATITIS.

Medical Cond Aggravated by Exposure:PERSONS WI

TH PRE-EXISTING SKIN

DISORDERS OR IMPAIRED RESPIRATORY OR LIVER OR KIDNEY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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===== 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.

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

Flash Point: