

SHELL OIL COMPANY -- SHELL MINERAL SPIRITS 145-EC -- 6850-00-281-1985

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

Product ID:SHELL MINERAL SPIRITS 145-EC

MSDS Date:06/13/1989

FSC:6850

NIIN:00-281-1985

MSDS Number: BJSFR

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:PRODUCT SAFETY AND COMPLIANCE

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone Num:713-241-4819

Emergency Pho

ne Num:713-473-9461

Preparer's Name:J. C. WILLETT

CAGE:54527

=== Contractor Identification ===

Company Name:PACKAGING SERVICES INC

Address:472 SHANK RD

Box:875

City:PEARLAND

State:TX

ZIP:77581

Country:US

Phone:713-485-1457

CAGE:9V846

Company Name:SHELL OIL COMPANY

Address:Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

Company Name:SOLVENTS AND CHEMICALS, INC.

Address:4704 SHANK ROAD

Box:City:PEARLAND

State:TX

ZIP:77588-0490

Country:US

Phone:281-485-5377

CAGE:4W

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Composition/Information on Ingredients
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Inged Name:NAPHTHA, MEDIUM ALIPHATIC

CAS:64742-88-7

Fraction by Wt: 93.0%

Other REC Limits:NONE SPECIFIED

Inged Name:NAPHTHA, LIGHT AROMATIC

CAS:64742-95-6

Fraction by Wt: 7.0%

Other REC Limits:NONE SPECIFIED

Inged Name:TRIMETHYL BENZENE (SARA III)

CAS:25551-13-7

RTECS #:DC3220000

Fraction by Wt: 4 - 4.7%

Other REC Limits:NONE SPECIFIED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM; 9192

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Hazards Identific
ation
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE IRRITATION TO SKIN,
EYES, AND RESPIRATORY TRACT. INGESTION: MAY LEAD TO VOMITING,
ASPIRATION, NAUSEA, HEADACHE, DIARRHEA. CHRONIC: REPEATED AND
PROLONGED SKIN CONTACT MAY CAUSE DEFATT ING AND DRYING OF THE SKIN
WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

Explanation of Carcinogenicity:

THE COMPONENTS OF THIS PRODUCT HAVE NOT
SHOWN ANY EVIDENCE OF BEING CARCINOGENIC.Effects of Overexposure:INHALATION:OVEREXPOSURE MAY LEAD TO RESPIRATORY
IRRITATION. INGESTION:MAY CAUSE NAUSEA,VOMITING,ASPIRATION AND
POSSIBLY UNCONSCIOUSNESS. EYES:CAUSES MILD IRRITATION ON
CONTACT.VAPORS MAY CAUSE TEARS/I RRITATION. SKIN:CAUSES SLIGHT
IRRITATION.PROLONGED/REPEATED CONTACT MAY LEAD TO DERMATITIS.Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING EYE, SKIN
AND R

RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING.WASH WITH SOAP AND WATER.CALL A PHYSICIAN IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY.CALL A PHYSICIAN. EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN.GET MEDICAL HELP. INGESTION: IMMEDIATELY CALL A PHYSICIAN.DO NOT INDUCE VOMITING.GIVE WATER IF CONSCIOUS. NOTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point Method:TCC
Flash Point:113F,45C
Lower Limits:1.0
Upper Limits:6.0
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. DO NOT USE DIRECT WATER STREAM. PRODUCT WILL FLOAT AND BURN.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. CONTAINERS MAY RUPTURE IN INTENSE OF HEAT.

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

Spill Release Procedures:USE APPROPRIATE PROTECTIVE & SAFETY GEARS. SMALL SPILL:MOP UP OR SOAK UP WITH NON-COMBUSTIBLE INORGANIC ABSORBENT.PLACE IN DOT DRUMS. LARGE SPILL:CONTAIN BY DIKING WITH SUITABLE ABSORBENT.PUMP LIQ TO SALVAGE TANK.TRANSFER ABSORBED WASTE IN DOT DRUMS.

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

Handling and Storage Precautions:STORE IN A DRY,COOL,AND VENTILATED AREA.DO NOT STORE IN DIRECT SUNLIGHT.KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.PROTECT FROM PHYSICAL DAMAGE.
Other Precautions:THE SELECTION OF PERSONAL PROTECTIVE EQUIPMENT SHOULD BE MADE BY THE MATERIAL USER BASED ON THE PARTICULAR CONDITIONS WHERE THE M

ATERIAL IS TO BE USED TOGETHER WITH INFORMATION
CONTAINED IN THIS MSDS. GROUND/BOND ALL EQUIPMENT WHEN TRANSFERG

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

Respiratory Protection:WHEN NEEDED,USE NIOSH APPROVED CANISTER-TYPE
RESPIRATOR.IN CONFINED OR POORLY VENTILATED AREAS OR FOR EMERGENCY
AND OTHER CONDITIONS WHERE THE EXPOSURE LIMITS ARE EXCEEDE,USE AN
APPROVED POSITIVE-PRES SURE,SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL EXHAUST RECOM
MENDED IF NECESSARY. LOCAL

EXPLOSION-PROOF EXHAUST VENTILATION MAY BE NEEDED FOR SOME
OPERATIONS

Protective Gloves:IMPERMEABLE/IMPERVIOUS GLOVES

Eye Protection:CHEMICAL SAFETY GOGGLES OR FACESHIELD

Other Protective Equipment:PROTECTIVE CLOTHING SUCH AS BOOTS,APRON,OR
FULL-BODY SUIT DEPENDING ON THE OPERATION.EYE WASH STATION & SAFETY
SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER EACH USE. AVOID SKIN
CONTACT. DO NOT EAT,DRINK OR SMOKE IN WORK AREA.AVOID BREATHING OF

VAPORS.

Supplemental Safety and Health
P-D-680 PRODUCT, TYPE I.

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

HCC:F4

Boiling Pt:B.P. Text:>323F,>162C

Vapor Pres: