

SHELL OIL COMPANY -- 145-EC DRY CLEANING SOLVENT -- 6850-00-664-5685

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

Product ID:145-EC DRY CLEANING SOLVENT

MSDS Date:06/13/1989

FSC:6850

NIIN:00-664-5685

MSDS Number: BLKYY

=== 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 Phone

Num:713-473-9461

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:4W432

===== Composition/

Information on Ingredients =====

Ingred Name:NAPHTHA, MEDIUM ALIPHATIC
CAS:64742-88-7
Fraction by Wt: 93.0%
Other REC Limits:NONE SPECIFIED

Ingred Name:NAPHTHA, LIGHT AROMATIC
CAS:64742-95-6
Fraction by Wt: 7.0%
Other REC Limits:NONE SPECIFIED

Ingred 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

===== 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: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 DEFATTING 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/IRRITATION. SKIN:CAUSES SLIGHT
IRRITATION.PROLONGED/REPEATED CONTACT MAY LEAD TO DERMATITIS.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING EYE, SKIN
AND RESPIRATORY DISORDERS MAY BE AG

GRAVATED BY EXPOSURE TO THIS
PRODUCT.

===== 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 WHILEHOLDING EYELID S OPEN.GET MEDICAL HELP. INGESTION: IMMEDIATELY CALL A PHYSICIAN.DO NOT INDUCE VOMITING.GIVE WATER IF CONSCIOUS. NOTHING BY MOUTH IF UNCONSCIOUS.

===== 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.

===== 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 T O SALVAGE TANK.TRANSFER ABSORBED WASTE IN DOT DRUM

===== 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 MATERIAL IS TO BE USED TOGETH

ER WITH INFORMATION

CONTAINED IN THIS MSDS. GROUND/BOND ALL EQUIPMENT WHEN TRANSFER

===== 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 RECOMMENDED IF NECESSARY. LOCAL

EXPLOSION- PROOF EXHAUST VENTILATION MAY BE NEEDED FOR SOME OPERATION

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 Safet
y and Health

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

HCC:F4

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

Vapor Pres: