

SHELL OIL COMPANY -- CLEANING SOLVENT/TYPE II, SHELL CODE:83178 -- 6850-00-285-8011
===== Product Identification =====

Product ID:CLEANING SOLVENT/TYPE II, SHELL CODE:83178

MSDS Date:06/13/1989

FSC:6850

NIIN:00-285-8011

MSDS Number: BQCRL

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:HEALTH, SAFETY AND ENVIRONMENT

Box:4320

City:HOUSTON

State:TX

ZIP:77210

Country:US

Info Phone N

um:713-241-4819/4141/2252 FAX -6511

Emergency Phone Num:713-473-9461/800-424-9300(CHEMTREC)

Preparer's Name:J.C. WILLETT

CAGE:54527

=== Contractor Identification ===

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

CAGE:0A9L8

Company Name:SHELL CHEMICAL COMPANY A DIV. OF SHELL OIL CO.

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Phone:713-473-9461

CAGE:86961

Company Name:SHELL OIL COMPANY

Add

ress: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

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Composition/Information on Ingredients
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Ingred Name:SHELL SOL 140 HT (A COMPLEX COMBINATION OF PREDOMINANTLY
C9- C12 HYDROCARBON; EXACT COMPOSITION WILL VARY.
CAS:64742-88-7
RTECS #:9999999ZZ
Fraction by Wt: 100.0%
Other REC Limi
ts:100 PPM
OSHA PEL:100 PPM TWA
ACGIH TLV:100 PPM

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Hazards Identification
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LD50 LC50 Mixture:ORAL RAT :>25ML/KG; DERMAL >4ML/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE-LIQUID IS PRACTICALLY NON
IRRITATING TO THE EYES. SKIN-LIQUID IS SLIGHTLY IRRITATING TO THE
SKIN. INHALATION-MAY CAUSE IRRITATION TO NOSE, THROAT AND
RESPIRATORY TR
ACT AND CNS DEPRESSION. INGESTIO N-INGESTION MAY
RESULT IN VOMITING; ASPIRATION OF VOMITUS INTO THE LUNGS MAY RESULT
IN ASPIRATION PNEUMONITIS.
Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.
Effects of Overexposure:EARLY TO MODERATE CNS DEPRESSION MAY BE
EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA; IN EXTREME
CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. ASPIRATION PNEUMONITIS
MAY BE EVIDENCED BY COUGHING, LABORED BREATHING AND CYANOSIS
(BLUISH S

KIN); IN SEVERE CASES DEATH MAY OCCUR.

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE, SKIN AND
RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS
PRODUCT.

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First Aid Measures
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First Aid:EYE:FLUSH WITH PLENTY OF WATER FOR 15 MIN. GET MEDICAL HELP.
SKIN:REMOVE CONTAMINATED CLOTHING/SHOES, WASH BEFORE REUSE. WASH
W/SOAP & WATER. SEEK MEDICAL HELP IF IRRITATION PERSISTS.
INHALATION:REMOV E TO FRESH AIR, GEIVE CPR/O
2 IF BREATHING IS
DIFFICULT. INGESTION:DO NOT INDUCE VOMITING,IF IT OCCURS KEEP HEAD
BELOW HIPS. GET MEDICAL HELP.

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Fire Fighting Measures
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Flash Point Method:TCC
Flash Point:143F,62C
Lower Limits:1
Upper Limits:7
Extinguishing Media:USE WATER FOG, FOAM, DRY CHEMICAL/CARBON DIOXIDE.
DONT USE DIRECT STREAM OF WATER.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPED WITH
SELF-CONTAINED BREATHING APPARATUS AND FULL BUNKER GEAR.
Un
usual Fire/Explosion Hazard:COOL EXPOSED CONTAINERS WITH WATER TO
PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER
RUPTURE.

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Accidental Release Measures
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Spill Release Procedures:SMALL SPILL-TAKE UP WITH AN ABOSRBENT MATERIAL
& PLACE IN NON-LEAKING CONTAINER FOR DISPOSAL.
Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:STORE IN A WELL VENTILATED AREA AW
AY
FROM HEAT, SPARKS & OPEN FLAMES. KEEP CONTAINERS CLOSED WHEN NOT IN
USE.
Other Precautions:EMPTY CONTAINER RETAINS RESIDUE & VAPORS. DO NOT CUT,
DRILL,GRIND, WELD ON OR NEAR CONTAINER. STAT ELECTRICITY MAY CREATE
FIRE HAZARD.

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Exposure Controls/Personal Protection
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Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATORY DEVICE IN
ACCORDANCE WITH EXPOSURE OF CONCERN.
Ventilation:USE EXPLOSION-PROOF VENT TO CONTROL VAPOR CONCENTRATIONS.
Protectiv

e Gloves:NITRILE

Eye Protection:CHEMICAL WORK GOGGLES

Other Protective Equipment:BEST PROT PROVIDED BY NITRILE MATERIAL,
OTHER CLOTH AS REQUIRED.

Work Hygienic Practices:DO NOT SMOKE NEAR THIS PRODUCT.

Supplemental Safety and Health

NONE

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

HCC:V4

Boiling Pt:B.P. Text:368F,187C

Vapor Pres: