

SHELL OIL COMPANY -- 83496 80095 CYCLO SOL 63 SOLVENT -- 6810-00-244-7639

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

Product ID:83496 80095 CYCLO SOL 63 SOLVENT

MSDS Date:07/13/1992

FSC:6810

NIIN:00-244-7639

MSDS Number: BPPKR

=== Responsible Party ===

Company Name:SHELL OIL COMPANY

Address:1 SHELL PLAZA

Box:2463

City:HOUSTON

State:TX

ZIP:77001

Country:US

Info Phone Num:713-241-4819

Emergency Phone Num:71

3-473-9461 (24 HOUR EMERGENCY)

Preparer's Name:J.C. WILLETT

CAGE:54527

=== Contractor Identification ===

Company Name:EMULTEC INC

Address:1150 HAYDEN DR SUITE 100

Box:City:CARROLLTON

State:TX

ZIP:75006

Country:US

Phone:972-417-1288

CAGE:0HD15

Company Name:SHELL OIL COMPANY

Address:Box:2463

City:HOUSTON

State:TX

ZIP:77210

Country:US

Phone:800-231-6950

CAGE:54527

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

Ingred Name:HEAVY AROMATIC NAPHTHA

CAS:64742-94-5

RTECS #:WF31000

00

Fraction by Wt: >77%

Other REC Limits:NONE RECOMMENDED

Ingred Name:1,2,4-TRIMETHYLBENZENE (SARA III)

CAS:95-63-6

RTECS #:DC3325000

Fraction by Wt: 5.0 ML/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE: SKIN AND EYE CONTACT MAY CAUSE IRRITATION. HIGH CONCENTRATIONS OF VAPORS MAY CAUSE RESPIRATORY IRRITATION AND CNS DEPRESSION. INGESTION MAY RESULT VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MAY OCCUR. THIS CAN BE FATAL. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALED: COUGHING, SHORTNESS OF BREATH, DIZZINESS, DROWSINESS, NAUSEA, VOMITING. EYES: REDNESS, TEARING, DISCOMFORT. SKIN: DRY SKIN, RASH, ITCHING. INGESTION: (ASPIRATION) COUGHING, LABORED BREATHING, BLUISH SKIN, POSSIBLE DEATH. NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN, EYE AND

RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYE: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. FLUSH WITH WATER, FOLLOWED BY WASH WITH SOAP AND WATER. INHALED: REMOVE TO FRESH AIR. GIVE RESPIRATORY SUPPORT AS NEEDED. INGESTED: DO NOT INDUCE VOMITING! IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. GET IMMEDIATE MEDICAL HELP.

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

Flash Point Method:TCC

Flash Point:128F,53C

Lower Limits:1

Upper Limits:6

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.DO NOT USE DIRECT STREAM OF WATER.PRODUCT CAN FLOAT/REIGNITE ON SURFACE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND BUNKER GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:FIRE EXPOSE

D CONTAINERS MAY RUPTURE FROM
HEAT.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. WEAR PROPER
PROTECTIVE CLOTHING. CONTAIN SPILL. ABSORB WITH INERT MATERIALS AND
PLACE IN A NON-LEAKING CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILAT
ED

AREA AWAY FROM SOURCES OF IGNITION AND STRONG OXIDIZING AGENTS.

Other Precautions:DO NOT, CUT, DRILL, GRIND, WELD OR DO SIMILAR
OPERATIONS TO "EMPTY" CONTAINERS. THEY CONTAIN COMBUSTIBLE RESIDUE.
USE PROPER BONDING AND GROUNDING PROCEDURES DURING TRANSFER
OPERATIONS.

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

Respiratory Protection:IF TLV/PEL EXCEEDED; USE NIOSH/MSHA APPROVED
RESPIRATOR; EITHER AIR-SUPPLIED OR AIR-PURIFYING WITH ORGANIC VAPOR

CARTRIDGE. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:USE EXPLOSION-PROOF VENTILATION EQUIPMENT.

Protective Gloves:NITRILE

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:CHEMICAL-RESISTANT CLOTHING TO MINIMIZE SKIN
CONTACT.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

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HCC:F4

Boiling Pt:B.P. Text:>343F,>173C

Vapor Pres:5.2 MM HG

Vapor Density:4.8(AIR=1)

Spec Gravity:0.89

Evaporation Rate & Reference:0.07 (N-BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID; AROMATIC HYDROCARBON ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:AVOID HEAT, SPARKS AND OTHER SOURCES OF
IGNITION. KEEP AWAY FROM S

STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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