

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:PREEXIST

ING 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 =====

=====

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever,

expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.