

ELY CHEMICAL CO LTD -- PENETRANT REMOVER (LIOPHILIC) L-80 -- 6850-01-268-6710

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

Product ID: PENETRANT REMOVER (LIOPHILIC) L-80

MSDS Date: 03/02/2000

FSC: 6850

NIIN: 01-268-6710

Status Code: A

MSDS Number: CKJRH

=== Responsible Party ===

Company Name: ELY CHEMICAL CO LTD

Address: LISLE LANE

City: ELY CB7 4A5, UNITED KINGDOM

Country: UK

Info Phone Num: 01353665881

Emergency

Phone Num: +44(0)1353 665881

CAGE: K2063

=== Contractor Identification ===

Company Name: DUNN R G ASSOCIATES INC

Address: 15104 LEE RD SUITE 203-B

Box: City: HUMBLE

State: TX

ZIP: 77396-2078

Country: US

Phone: 281-441-2001/FAX: 281-441-7772

Contract Num: SP0450-00-M-SA77

CAGE: 0A272

Company Name: ELY CHEMICAL COMPANY

Address: LISLE LANE

Box: City: ELY, CAMBRIDGESHIRE, CB7 4AS

Country: UK

Phone: +44(0)1353 665881

CAGE: K2063

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

Ingred Name: 2-(2-BUTO

XYETHOXY)ETHANOL

CAS:112-34-5

RTECS #:KJ9100000

= Wt:10.

Ingred Name:HYDROCARBON

CAS:64742-52-5

RTECS #:PY8035000

> Wt:50.

Ingred Name:A BLEND OF HYDROCARBONS, NONIONIC SURFACTANTS, GLYCOL ETHER
AND COUPLING AGENTS

===== Hazards Identification =====

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

Health Hazards Acute and Chronic:EYES: IRRITATING TO THE EYES. SKIN:

FREQUENT OR PROLONGED CONTACT MAY BE IRRITATING & CAUSE DEFATTING
LEADING T

O DRYING, CRACKING AND POSSIBLY DERMATITIS. INGESTION:

SUPPLIERS DATA FOR RAT ORAL LD50 INDICATES NO SIGNIFICANT HAZARD
BY THIS ROUTE. SMALL AMOUNTS OF LIQUID ASPIRATED INTO THE
RESPIRATORY SYSTEM DURING INGESTION OR FROM VOMITING MAY CAUSE
SEVERE DAMAGE. INHALATION: VAPOUR CONCENTRATIONS ABOVE
RECOMMENDED EXPOSURE LEVELS ARE EXPECTED TO BE IRRITATING TO THE
EYES AND RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS.

Effects of Overexposure:IRRITATING TO THE EYES.

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

First Aid:INHALATION: PRODUCT IS OF LOW VOLATILITY & LOW RISK UNDER
NORMAL OPERATING CONDITIONS. IF PERSON IS OVERCOME BY FUMES
IMMEDIATELY REMOVE FROM EXPOSURE & OBTAIN EMERGENCY MEDICAL ATT'N.
GIVE ARTIFICIAL RESPIRATION IF REQUIRED. SKIN: REMOVE CONTAMINATED
CLOTHING. LAUNDRY BEFORE USE. WASH SKIN THOROUGHLY WITH MILD SOAP &
WATER. FLUSH SKIN WITH LUKEWARM WATER. EYES: IMMEDIATELY RINSE WITH
CLEAN

WATER FOR 15 MIN WHILE HOLDING EYES OPEN. OBTAIN MEDICAL
ATT'N. INGESTION: IF LARGE QUANTITIES INGESTED, OBTAIN MEDICAL
ATT'N. GIVE LUKEWARM WATER IF CONSCIOUS, DO NOT INDUCE VOMITING.

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

Flash Point:>100.C, 212.F

Autoignition Temp:>200.C, 392.F

Extinguishing Media:WATER SPRAY, WATER FOG, ALCOHOL TYPE FOAM, DRY
POWDER OR CARBON DIOXIDE. DO NOT USE WATER JET.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING A

PPARATUS IN
CONFINED AREAS.

Unusual Fire/Explosion Hazard:MAY GIVE OFF TOXIC FUMES AT FIRE
TEMPERATURES.

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

Spill Release Procedures:EXTINGUISH OR TURN OFF ALL SOURCES OF
IGNITION, OBTAIN PROTECTIVE GLOVES AND GOGGLES OR FACE MASK. STOP
RELEASE. CONTAIN SPILL WITH SUITABLE BOOM, SAND OR ABSORBENT
GRANULES. PREVENT ESCAPE TO DRAINS OR SEWERS. CONTAINED LARGE
SPILLS MAY BE PUMPED (NOT ELECTRIC) INTO SUITABLE
CONTAINERS. SMALL
SPILLS MAY BE ABSORBED USING SUITABLE GRANULES. FINALLY FLUSH AREA
WITH WATER.

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

Handling and Storage Precautions:MINIMISE SKIN CONTACT BY USE OF PVC OR
SIMILAR IMPERVIOUS GLOVES. WEAR CHEMICAL GOGGLES OR OTHER SIMILAR
EYE PROTECTION. OPEN CONTAINERS AND MANIPULATE PRODUCT ONLY IN WELL
VENTILATED AREAS. STORE IN SEALED CONTAINERS IN VENTILATED COVERED
STORAGE AREAS.

Other Precautions:NO
NE

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.
ENSURE GOOD VENTILATION. IF HIGH TEMPERATURES OR EXCESSIVE
SPRAY/MIST IS GENERATED ABSORBENT MASKS OR RESPIRATORS WILL BE
REQUIRED.

Ventilation:TAKE MEASURES TO PREVENT INHALATION RISK FROM VAPOUR OR
MIST BUILD-UP.

Protective Gloves:WEAR PVC OR SIMILAR IMPERVIOUS GLOVES.

Eye Protection:WEAR CHEMICAL GOGGLES OR SIMILAR EYE PROTECTION.

Other

Protective Equipment:LONG SLEEVED OVERALLS ARE RECOMMENDED ALSO
IMPERVIOUS APRONS AND GAUNTLETS IF THERE IS A RISK OF FREQUENT
SPLASHING.

Supplemental Safety and Health
NONE

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

HCC:V6

Melt/Freeze Pt: