

U-POL

PRODUCTS

PRODUCT SAFETY DATA SHEET

COMMERCIAL PRODUCT NAME:

HARDENER C.H.P.

PREPARATION:

HARDENER CONTAINING CYCLOHEXANONE PEROXIDE

ADDRESS:

**Denington Industrial Estate,
Denington Road,
Wellingborough,
Northants NN8 2QP
United Kingdom**

EMERGENCY TELEPHONE NO:-

44-(0)1933-230310 *

FAX NO:-

44-(0)1933-230351 *

COMPOSITION/INFORMATION ON INGREDIENTS

| <u>COMPONENT</u> | <u>CAS NO.</u> | <u>LEVEL</u> | <u>SYMBOL</u> | <u>RISK</u> |
|--|-----------------------|---------------------|----------------------|--------------------|
| 1-HYDROXY-1'- HYDROPEROXY DICYCLOHEXYL PEROXIDE | 78-18-2 | 50 - 51%. | E - Explosive | R2 |
| | | | | R7 |
| | | | C - Corrosive | R22 R34 |

HAZARDS IDENTIFICATION

INHALATION:

May cause irritation of respiratory tract.

SKIN:

May cause severe irritation on prolonged contact, redness.

EYES:

Severe irritation and soreness.

INGESTION:

Nausea, severe discomfort to mouth and throat.

FIRST AID MEASURES

INHALATION:

N/A.

SKIN CONTACT:

Remove contaminated clothing. Immediately wash the affected area with soap and water. Do not use solvents.

EYE CONTACT:

Irrigate with copious quantities of clean water and seek medical aid immediately.

INGESTION: Rinse out mouth with water. Then drink plenty of water. Do not induce vomiting. Seek immediate medical attention.

FIRE FIGHTING MEASURES

Extinguish fires with CO₂, dry powder or chemical foam. Cool containers with water spray. Do not use water jets. Avoid inhaling fumes of burning product.

ACCIDENTAL RELEASE MEASURES

The product does not readily flow. Any spillage should be wiped or scraped away. Keep product away from drains. Avoid sources of ignition. Dispose of in accordance with the requirements of the Environmental Protection Act.

HANDLING AND STORAGE

HANDLING: Keep away from heat. Keep away from sources of ignition. Avoid contact with skin and eyes. Keep container closed when not in use.

STORAGE: Store in original containers in a cool well ventilated place. Store away from resins and accelerators.

EXPOSURE CONTROLS/PERSONAL PROTECTION

A good standard of personal and industrial hygiene should be maintained at all times. Persons who suffer from skin complaints or other allergic effects should not work with the product.

EYE PROTECTION: Not necessary, if used with caution.

PROTECTIVE CLOTHING: Recommended.

RESPIRATORY PROTECTION: Not necessary.

SKIN PROTECTION: Barrier cream recommended.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Pigmented smooth unctuous paste.

COLOUR: Yellow.

DENSITY: Approx. 1.1.

FLASH POINT: N/A. Exothermic decomposition temperature approx. 45°C.

VISCOSITY: Approx. 1000 poise.

SOLUBILITY: Insoluble in water.

ACTIVE OXYGEN CONTENT: 6.45 - 6.70%.

AUTOFLAMMABILITY: Above 375°C.

STABILITY AND REACTIVITY

A dangerous self accelerating decomposition reaction may occur at temperatures above 45°C. Violent reactions may be expected with acid, alkali, heavy metals and reducing agents. Keep away from rust and polyester accelerators. Thermal decomposition can give rise to acrid fumes.

TOXICOLOGICAL INFORMATION

For 1-Hydroxy-1'-Hydroperoxy Dicyclohexyl Peroxide (technically pure), the following values have been reported:-

An oral LD50 in mice of 880 mg/Kg.

ECOLOGICAL INFORMATION

Readily biodegradeable.

DISPOSAL CONSIDERATIONS

The material and any contaminated container should be disposed of in accordance with the Environmental Protection Act.

TRANSPORT INFORMATION

| | |
|-------------------------------|--|
| SHIPPING NAME: | ORGANIC PEROXIDE TYPE D SOLID. (if shipped separate to polyester kit). |
| UNITED NATION NO: | UN 3106. |
| CLASS NO: | 5.2. |
| HARMONISED SYSTEMS NO: | 290960 90 0. |
| PACKING GROUP: | II. |

Complies with The Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and Labelling) Regulations.

For current International Maritime Dangerous Goods Declaration, please contact our Export Department
Telephone No: 44-(0)2- 8492 5950.

REGULATORY INFORMATION

| | |
|------------------------|--|
| CONTAINS: | Cyclohexanone Peroxide. |
| SYMBOL: | O Oxidising. C Corrosive. |
| RISK PHRASES: | R7 May cause fire. R22 Harmful if swallowed. R34 Causes burns. |
| SAFETY PHRASES: | S3/7 Keep container tightly closed in a cool place. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |

S46 If swallowed seek medical advice immediately and show this container or label.

FURTHER INFORMATION

Normally supplied as a secondary component, a curing agent for polyester resin based kits.

ISSUE NUMBER: 0002
(*Denotes changes from previous issue)

ISSUE DATE: 2.11.98