

# SAFETY DATA SHEET

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REVISION DATE: 6/11/2002  
REF: KP3/66/10  
PART B

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product name:** SELF HEALING PU GEL  
**Product code:** KP3/66/10 PART B  
**Supplier:** ELECTROLUBE  
H.K. Wentworth Ltd.,  
Kingsbury Park, Midland Road,  
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Identification of the preparation

Chemical Name	CAS-No	EC-No	Class	Weight %
~DIPHENYLMETHANE-4,4'-DI-ISOCYANANTE ~	101-68-8	202-966-0	Xn; R20 Xi; R36/37/38 R42	<25
NON HAZARDOUS CONSTITUENTS				>75

## 3. HAZARDS IDENTIFICATION

**Most important hazards:** Harmful.  
**Specific hazards:** Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons - breathing difficulties / asthma.

## 4. FIRST AID MEASURES

**General advice:** Remove from exposure, lie down.  
**Inhalation:** Move to fresh air. Consult a physician after significant exposure. Watch victim for at least 48 hours because of possible delayed signs of poisoning.  
**Skin contact:** Remove contaminated clothing immediately and wash affected skin with soap and water. If skin irritation persists, call a physician.  
**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**Ingestion:** Do not induce vomiting. Call a physician immediately. Do not give milk / water.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Extinguish with dry chemical or foam.  
**Extinguishing media which must not be used for safety reasons:** high volume water jet  
**Specific hazards:** Burning produces irritant fumes : nitrogen oxides (NOx), hydrogen cyanide (hydrocyanic acid)

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid contact with skin, eyes and clothing.  
**Environmental precautions:** Do not flush into surface water or sanitary sewer system.  
**Methods for cleaning up:** Absorb in earth or sand and remove to a safe place. Shovel into suitable container for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke. Do not breath vapours or spray mist.  
**Storage:** Store in original container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Chemical Name:** ~DIPHENYLMETHANE-4,4'-DI-ISOCYANANTE ~  
**National occupational exposure limits:**  
**HSC(EH40)**  
 (MEL) Isocyanates: Long term (8 hrs) = 0.02 mgm<sup>-3</sup>  
 Short term (15 min) = 0.07 mgm<sup>-3</sup>

### NON HAZARDOUS CONSTITUENTS

**Engineering measures:** Ensure adequate ventilation, especially in confined areas.  
**Personal protection equipment:**  
 - **Respiratory protection:** not required under normal use.  
 - **Hand protection:** solvent-resistant gloves (butylrubber)  
 - **Eye protection:** safety glasses with side-shields / goggles  
 - **Skin and body protection:** Lab coat / lightweight protective clothing.  
**Hygiene measures:** Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	liquid		
<b>Colour:</b>	amber		
<b>Odour:</b>	musty		
<b>Boiling point/range:</b>		>200	°C
<b>Melting point/range:</b>		< 15	°C
<b>Flash point:</b>		>190	°C
<b>Vapour pressure:</b>	( 25 °C)	1.3 x 10 <sup>-4</sup>	hPa
<b>Relative density:</b>	( 25 °C)	>= 1.00	
<b>Bulk density:</b>		1000	kg/m3
<b>Solubility:</b>			
<b>Water solubility</b>		insoluble	(g/l)
<b>Viscosity:</b>		0.5	mPa.s

## 10. STABILITY AND REACTIVITY

**Stability:** Stable. Exothermic reaction with strong acids, bases, ammonia, amines, water, alcohols.  
**Conditions to avoid:** Keep away from heat.  
**Materials to avoid:** acids, alcohols, bases, amines, copper / copper alloys.  
**Hazardous decomposition products:** No decomposition if stored and applied as directed.

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## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD50/oral/rat = >2000mg/kg  
LC50/inhalation/4h/rat = 490mg / m<sup>3</sup>  
**Local effects:** May cause skin irritation and/or dermatitis  
**Sensitization:** May cause sensitization of susceptible persons by skin contact  
**Long term toxicity:** No hazards deemed to be of major importance  
**Chronic toxicity:** Not applicable

## 12. ECOLOGICAL INFORMATION

**Mobility:** not significant  
**Persistence and degradability:** Not readily biodegradable.  
**Bioaccumulation:** not significant  
**Ecotoxicity effects:** Aquatic toxicity is unlikely due to low solubility.

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Contact waste disposal services. Can be incinerated, when in compliance with the Environment Protection Act 1990 (Process Guidance Note IPR5/1).  
**Contaminated packaging:** In accordance with local and national regulations.

## 14. TRANSPORT INFORMATION

**Proper shipping name** Not classified as dangerous in the meaning of transport regulations

## 15. REGULATORY INFORMATION

**Classification according to European directive on classification of hazardous preparations 90/492/EEC**

- **Contains:** Diphenylmethane-4,4-diisocyanate  
- **Symbol(s):**



Harmful

**R-phrases:** R20 - Harmful by inhalation. R36/37/38 - Irritating to eyes, respiratory system and skin.. R42 - May cause sensitization by inhalation.

**S-phrases:** S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.. S28 - After contact with skin, wash immediately with plenty of water. S38 - In case of insufficient ventilation, wear suitable respiratory equipment. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)..

## 16. OTHER INFORMATION

**Revision number:** 0  
**Further information:** CN no. 39095090  
Contact Name: Helen O'Reilly  
Department: Technical

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