

# SAFETY DATA SHEET

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PRINT DATE: 06/08/1997

REF: PRS400D

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

**Product name:** PRINTASOLVE  
**Product code:** PRS400D  
**Supplier:** ELECTROLUBE  
H.K. Wentworth Ltd.,  
Wentworth House, Blakes Road,  
Wargrave, Berkshire, RG10 8AW, United Kingdom.  
**Emergency telephone number:** 0118 9404031 **Fax No:** 0118 9403084

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
~PROPAN-2-OL	67-63-0	200-746-9	F; R11 (Sweden: V; R320/322, R313)	< 30
N-BUTYL ACETATE	123-86-4	204-658-1	R10	< 10
ETHANOL	64-17-5	200-578-6	F; R11	< 40
Proprietary hydrocarbon solvent	64742-95-6	265-199-0	F, R10	< 35
CARBON DIOXIDE	124-38-9	-	-	< 5

## 3. HAZARDS IDENTIFICATION

**Most important hazards:** Highly flammable  
**Specific hazards:** High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects. Prolonged skin contact may defat the skin and produce dermatitis.

## 4. FIRST AID MEASURES

**General advice:** Remove from exposure, lie down.  
**Inhalation:** Move to fresh air. Consult a physician after significant exposure.  
**Skin contact:** Wash off immediately with soap and plenty of water. Treatment : skin cream.  
**Eye contact:** Rinse immediately with plenty of water for at least 15 minutes. Consult a physician for severe cases.  
**Ingestion:** Immediately give large quantities of water to drink. If symptoms persist, call a physician.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Extinguish with dry chemical or foam, carbon dioxide (CO<sub>2</sub>).

**Extinguishing media which must not be used for safety reasons:**

Do not use water jet.

**Specific hazards:** Fire or intense heat may cause violent rupture of packages. Water mist may be used to cool closed containers.

**Special protective equipment for firefighters:**

In the event of fire, wear self-contained breathing apparatus.

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**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions:</b>	Remove all sources of ignition.
<b>Environmental precautions:</b>	Do not contaminate surface water.
<b>Methods for cleaning up:</b>	Soak up with inert absorbent material. Shovel into suitable container for disposal.

**7. HANDLING AND STORAGE**

<b>Handling:</b>	Use only in well-ventilated areas. Do not breath vapours or spray mist. When using, do not eat, drink or smoke.
<b>Storage:</b>	Store in a cool and shaded area. Ensure adequate ventilation. Keep away from heat and sources of ignition.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Chemical Name:</b>	<b>National occupational exposure limits:</b>
~PROPAN-2-OL	Long term (8 hrs) = 400ppm / 980mgm <sup>-3</sup> Short term (15 min) = 500ppm / 1225mgm <sup>-3</sup>
N-BUTYL ACETATE	Long term (8 hrs) = 150ppm/710mgm <sup>-3</sup> Short term (15 min) = 200ppm/950mgm <sup>-3</sup>
ETHANOL	Long term (8 hrs) = 1000ppm/1900mgm <sup>-3</sup>
Proprietary hydrocarbon solvent	Long term (8 hrs) = 50ppm
CARBON DIOXIDE	Long term (8 hrs) = 5000ppm/9000mgm <sup>-3</sup> Short term (15 min) = 15000ppm/27000mgm <sup>-3</sup>

**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
- **Skin and body protection:** not required under normal use

**Hygiene measures:**

When using, do not eat, drink or smoke.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	liquid		
<b>Colour:</b>	colourless		
<b>Odour:</b>	characteristic		
<b>Boiling point/range:</b>		> 78	°C
<b>Melting point/range:</b>		> -117	°C
<b>Flash point:</b>		> 12	°C
<b>Autoignition temperature:</b>		> 365	°C
<b>Explosion limits:</b>	- lower	3.5	vol. %
	- upper	19	vol. %
<b>Vapour pressure:</b>	( 20 °C)	62.6	hPa
<b>Relative density:</b>	( 20 °C)	>= 0.846	
<b>Bulk density:</b>		846	kg/m3
<b>Solubility:</b>			
<b>Water solubility</b>		partly miscible	(g/l)

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**10. STABILITY AND REACTIVITY**

**Stability:** Stable. Vapours may form explosive mixtures with air.  
**Conditions to avoid:** Keep away from sources of ignition.  
**Materials to avoid:** acids, oxidizing agents  
**Hazardous decomposition products:** No decomposition if stored and applied as directed.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity:** IPA: LD50/oral/rat = 5.05g/kg  
**Local effects:** High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects.  
**Sensitization:** Not applicable  
**Long term toxicity:** Prolonged skin contact may defat the skin and produce dermatitis  
**Chronic toxicity:** No data is available on the product itself

**12. ECOLOGICAL INFORMATION**

**Mobility:** No data is available on the product itself  
**Persistence and degradability:** Readily biodegradable, according to appropriate OECD test  
**Bioaccumulation:** Not applicable  
**Ecotoxicity effects:** No data is available on the product itself

**13. DISPOSAL CONSIDERATIONS**

**Waste from residues / unused products:** In accordance with local and national regulations.  
**Contaminated packaging:** Do not pierce or burn even when empty

**14. TRANSPORT INFORMATION**

<b>UN-No:</b>	1950	<b>Marine pollutant:</b>	NO
<b>ADR/RID</b>			
<b>Class:</b>	2	<b>Item:</b>	5° F
<b>Proper shipping name:</b>	Aerosol dispensers		
<b>IMO</b>			
<b>Class:</b>	2	<b>IMDG Page:</b>	2102
<b>EmS:</b>	2-13	<b>MFAG:</b>	305
<b>Proper shipping name:</b>	Aerosol dispensers		
<b>ICAO</b>			
<b>Class:</b>	2.1	<b>UN/ID No:</b>	1950
<b>Proper shipping name</b>	Aerosols, flammable, n.o.s		

**15. REGULATORY INFORMATION**

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

- Contains:
- Symbol(s):



F - Highly flammable

R-phrase(s): R11 - Highly flammable.

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**S-phrases(s):** S3 - Keep in a cool place.. S9 - Keep container in a well-ventilated place.. S16 - Keep away from sources of ignition - No smoking. S33 - Take precautionary measures against static discharges..

**16. OTHER INFORMATION****Recommended use:****Recommended restrictions:****Revision number:** 2**Further information:** CN no: 38140090

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