

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY / UNDERTAKING

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SAFETY DATA SHEET

PRODUCT: Pelikan red ink for LCP

2 COMPOSITION / INFORMATION ON INGREDIENTS

	Ingredients	CAS No.	EC No.	Weight %	Symbols	R-Phrases
	butan-1-ol	71-36-3	200-751-6	5-10	Xn	10,22,37/38,41,67
	propan-1-ol	71-23-8	200-746-9	80-90	F,Xi	11,41,67
#	CI Solvent Red 160	-	-	< 5	-	52/53

3 HAZARDS IDENTIFICATION

- #
- Highly Flammable
 - Risk of serious damage to eyes
 - Vapours may cause drowsiness and dizziness
 - See Section 16.1 for ingredient R-Phrases

4 FIRST-AID MEASURES**CONTACT WITH SKIN**

- Wash affected area with plenty of soap and water

CONTACT WITH EYES

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)

INGESTION

- Give water or milk to drink
- Seek immediate medical attention

INHALATION

- Remove patient to fresh air
- Keep warm and at rest

OTHER INFORMATION

- When in doubt or symptoms persist, seek medical attention

5 FIRE-FIGHTING MEASURES

- In case of fire use water, carbon dioxide or dry agent (S43)
- Do not use water jets
- Toxic and irritant fumes may be formed

6 ACCIDENTAL RELEASE MEASURES

- Shut off all ignition sources
 - Do not allow to enter public sewers and watercourses
 - Ventilate area
 - Absorb spillage in suitable inert material
 - See Section 13
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7 HANDLING AND STORAGE**7.1 HANDLING**

- Keep away from heat and sources of ignition
 - Equipment should be earthed
 - The usual precautions for handling chemicals should be observed
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7.2 STORAGE

- #
- Keep container in a well ventilated place (S9)
 - Keep away from sources of ignition - No Smoking (S16)
 - Keep in highly flammable materials store
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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**8.1 GENERAL**

- #
- Wear nitrile gloves
 - Wear eye/face protection (S39)
 - Use good personal hygiene practices
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8.2 EXPOSURE LIMITS

- | | |
|------------------------|---|
| • butan-1-ol | Constituent Exposure Limit:
OES / LTEL --- ppm --- mg/m3
OES / STEL 50 ppm 154 mg/m3
(Germany) MAK 100 ppm 310 mg/m3
Can be absorbed through the skin |
| • propan-1-ol | OES / LTEL 200 ppm 500 mg/m3
OES / STEL 250 ppm 625 mg/m3
(France) VLE 200 ppm 500 mg/m3
Can be absorbed through the skin |
| # • CI Solvent Red 160 | No exposure limits have been set for this substance |
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9 PHYSICAL AND CHEMICAL PROPERTIES

- Liquid, red, volatile, partly miscible with water
 - Smells of alcohol
 - Lower explosive limit 2.1 % (in air)
 - Upper explosive limit 13.5 % (in air)
 - Product increases fire risk
 - Combustible
 - Boiling point ND deg C
 - Flash point ca 22 deg C (CC)
 - pH ca 7
 - Density ca 0.81 g/cm3 at 25 deg C
 - Vapour pressure ca 18 mbar
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10 STABILITY AND REACTIVITY

- Keep away from heat
 - Keep away from strong oxidizing substances
 - Decomposition products may include nitrogen and carbon oxides
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11 TOXICOLOGICAL INFORMATION

- Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
 - Risk of serious damage to eyes (R41)
 - Can be absorbed through skin
 - May result in feeling of intoxication and can cause visual disturbance
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12 ECOLOGICAL INFORMATION

- Water Hazard Class 1 (estmd) (Company)
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13 DISPOSAL CONSIDERATIONS

- Disposal should be in accordance with local, state or national legislation
 - This material and its container must be disposed of as hazardous waste (S60)
 - Disposal can be a hazardous operation, seek specialist advice
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14 TRANSPORT INFORMATION**14.1 REGULATIONS**

- Proper Shipping Name: Printing Ink

UN

UN No	:	1210	Hazard Class	:	3
Packing Group	:	II			

Road / Rail (ADR / RID)

ADR UN No	:	1210	ADR Hazard Class	:	3
ADR Item No	:	5(b)	ADR/RID No	:	HZ33
Tremcard	:	ND			

Sea (IMDG)

IMDG UN No	:	1210	IMDG Hazard Class	:	3
IMDG Page No	:	3272-1	IMDG Pack. Group	:	II
IMDG EmS	:	-	IMDG MFAG	:	-

Air (ICAO / IATA)

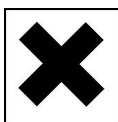
ICAO UN No	:	1210	ICAO Hazard Class	:	3
ICAO Packing Group	:	II			

14.2 GENERAL

- Transport Regulations apply as indicated in previous section
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15 REGULATORY INFORMATION

- #
- This product is covered by Dangerous Preparations Directive (1999/45/EC) as amended
 - Refer to current CHIP Regulations
 - Refer to current Gefährliche Stoffe Verordnung
 - Refer to current VbF
 - This Safety Data Sheet is provided in compliance with the Safety Data Sheets Directive (91/155/EC)

SYMBOL(S)**HIGHLY
FLAMMABLE****IRRITANT**

15.1 RISK PHRASES

- Highly Flammable (R11)
- Risk of serious damage to eyes (R41)
- Vapours may cause drowsiness and dizziness (R67)

15.2 SAFETY PHRASES

- Keep container in a well ventilated place (S9)
- Keep away from sources of ignition - No Smoking (S16)
- Wear eye/face protection (S39)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- This material and its container must be disposed of as hazardous waste (S60)

16 OTHER INFORMATION**16.1 INGREDIENT R-PHRASES**

- #
- R10: Flammable
 - R11: Highly Flammable
 - R22: Harmful if swallowed
 - R37/38: Irritating to respiratory system and skin
 - R41: Risk of serious damage to eyes
 - R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 - R67: Vapours may cause drowsiness and dizziness

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- 16.2
- The precise composition of this product is proprietary information. More details will be supplied in confidence to qualified medical personnel if specific treatment is necessary.
 - This product conforms to all known European chemicals safety legislation.
 - Water Hazard Class: 1 = slight, 2 = medium, 3 = severe hazard.
 - NA = not applicable; NC = not classified; ND = no data; TWA = time-weighted average.
 - LTEL = 8hr TWA; STEL = 15min TWA; ppm = parts per million.
 - # = changes to section since last revision.
 - The above information relates only to the safety of the product designated, based on our current state of knowledge. No responsibility is accepted for any errors or omissions.
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