

1. Product and Company Identification

Identification of the preparation	Red Ink Printhead Article code: 4127026K-NEOPOST LTD
Use of the preparation	Franking System Inkjet printing
Company identification	Neopost Industrie 113, rue Jean Marin Naudin 92220 Bagneux France
Emergency telephone number	(44) 0870 600 6266
Local contact information	NEOPOST LTD South street PO BOW 3 ROMFORD ESSEX RM1 2AR UK

Hazard Rating	NFPA/HMIS
Health	1
Flammability	1
Instability/Reactivity	0
Special	None

2. Composition / Information on hazardous Ingredients

This ink supply contains an aqueous ink formulation

Component / Substance	CAS number	EU number	% by weight	EU classification
Tetraethylene glycol	112-60-7	203-989-9	< 7	Xi ; R36/37/38
2- Pyrrolidone	616-45-5	210-483-1	< 5	Xi ; R36/37/38
Alkyldiol ethoxylate	confidential	confidential	< 3	Xn ; R20/22-41
Water	7732-18-5	231-791-2	> 50	Not classified

3. Hazard Identification

The ink is not classified according to EU directive 1999/45/EC.

Routes of exposure	Potential routes of overexposure to this product are skin and eye contact. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions. Complete toxicity data are not available for this specific formulation.
Acute health hazards	Any potential hazards are presumed to be due to exposure to the components. <u>Tetraethylene glycol</u> : Contact with eyes and skin may result in irritation. Inhalation may result in respiratory irritation. <u>2-Pyrrolidone</u> : Contact with eyes and skin may result in irritation. Inhalation may result in respiratory irritation. Ingestion may cause nausea, vomiting and diarrhea. <u>Alkyldiol ethoxylate</u> : Harmful by inhalation and if swallowed. Risk of serious damage to eyes.
Chronic health hazards	None known.
Carcinogenicity	None of the components present in this formulation at concentrations equal to or greater than 0,1 % are listed by EU, IARC, MAK, NTP or OSHA.

4. First aids measures

Emergency telephone number	(44) 0870 600 6266
Poisoning center	http://www.medtox.org.uk
Inhalation	Remove to fresh air. If symptoms persist, consult a physician.
Ingestion	If stomach upset persists, consult a physician.
Skin	Wash affected areas thoroughly with soap and water. If irritation persists, consult a physician.
Eyes	Do not rub eyes. Immediately flush with large amount of clean, lukewarm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists, consult a physician.

5. Fire fighting measures

Extinguishing media	Water, dry chemical, carbon dioxide, foam.
Unsuitable extinguishing media	None known.
Special firefighting procedures	None known.
Unusual fire and explosion hazards	No special hazards known.
Auto-ignition temperature	Not determined.
Flashpoint (method)	> 200 °F, > 93,3 °C (US EPA Method 1020).
Hazardous combustion products	Refer to section 10.

6. Accidental release measures

Spill or leak procedures	Standard eye and skin protection recommended.
Environmental precautions	Do not discharge into drains (see also section 13, disposable considerations).

7. Handling and storage

Storage temperature	59°F to 95°F, 15°C to 35°C.
Handling and storage precautions	Keep out of the reach of children. Keep away from extreme heat and cold.
Shelf life	1 year.
Special sensitivity	None.

8. Exposure control / personal protection

Exposure limit values	<u>Tetraethylene glycol</u> : Austria, Germany, Netherlands, Switzerland TWA=1000ppm.
Exposure controls	Standard eye and skin protection for laboratory chemical safety is recommended. Use in well ventilated area.

9. Physical and chemical properties

pH	7.7 – 8.5
Boiling point	Not determined.
Flash point	> 200°F, > 93,3 °C
Flammability	US NFPA / HMIS flammability rating = 1
Exposive properties	Not applicable.
Oxidizing properties	Not applicable.
Vapor pressure	Not applicable.
Relative density	Specific gravity 1.0 to 1.2
Solubility	Soluble in water.
Partition coefficient	Not determined.
Viscosity	2.15 cp
Vapor density	> 1 (air = 1.0)
Evaporation rate	Not applicable.
Other	Not applicable.

10. Stability and reactivity

Stability	Stable under normal storage conditions.
Incompatibilities	Strong oxidizers and bases.
Thermal decomposition products	Oxides of carbon / nitrogen / sulfur, water.
Hazardous polymerization	None.

11. Toxicological information

Refer to section 3 for potential health effects and section 4 for first aid measures.
Ink formulation has not been tested.

12. Ecological information

Ink formulation:

96 hour LC50	LC50 = 750 mg/L	Fathead minnow
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13. Disposal considerations

Dispose in accordance with all applicable US Federal, state, local and country laws.

14. Transportation information

Not a regulated article under United States DOT, IATA, ADR or RIB.

UN number	Not applicable
Class	Not applicable
Proper shipping name	Not applicable
Packing group	Not applicable
Marine pollutant	Not listed
Special precautions	None noted

15. Regulatory information

US EPA TSCA Inventory	All ingredients are listed or exempt.
US EPA TSCA 12 (b)	Does not contain listed chemicals.
EU notification	All ingredients are listed on EINECS and/or ELINCS or exempt.
EU hazard label (1999/45/EC)	This product does not require a label according to EU directive 1999/45/EC.

16. Other information

Revision information	This documents replaces all prior versions of the MSDS.
EU risk ® phrase definitions	R41: Risk of serious damage to eyes. R20/22: Harmful by inhalation and if swallowed. R36/37/38 : Irritating to eyes, respiratory system and skin.
Other information	This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC and USA OSHA hazard communications standard (29CFR1910.1200).

DISCLAIMER : This Material Safety Data Sheet (MSDS) is provided without charge to customers of Neopost Technologies. Data is the most current known to Neopost Technologies at the time of preparation of this MSDS and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application.