

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

Page 1/7

K7+

Revision 4
Revision date 2017-11-03

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	K7+
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Printing Ink.
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1.3. Details of the supplier of the safety data sheet

Company	PostJet Systems Ltd
Address	Unit 7 Beechwood Chineham Business Park Basingstoke Hants RG24 8WA
Web	www.postjet.co.uk
Telephone	+44 (0)1256 479585
Fax	+44 (0)1256 652222
Email	msds@domino-uk.com
Email address of the competent person	Andrew.winterburn@postjet.co.uk

1.4. Emergency telephone number


Emergency telephone number	+44 (0)1637 881180 24hrs
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; Aquatic Chronic 3: H412;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

K7+

Revision 4

Revision date 2017-11-03

2.2. Label elements

Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ soap. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
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2.3. Other hazards

Other hazards	No data available.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Triethylene glycol		112-27-6			20 - 30%		
Proprietary 3					30 - 40%		
Butoxy Triglycol	603-183-00-0	143-22-6	205-592-6		10 - 20%	Xi; R41	
Triethylene Glycol Monomethyl Ether		112-35-6			1 - 10%		
Trimethylolpropane 97%		77-99-6			1 - 10%		
C.I.Solvent Black 27		72812-34-1			1 - 10%		
Carbon Black		1333-86-4	215-609-9		1 - 10%	Xn; R40	
Metal Complex Black Dye 29		61901-87-9	403-720-7		0.5 - 1%	N; R51/53	
C.I.Solvent Blue 136		359630-27-6			0.5 - 1%	R53	
C.I. Solvent Yellow 83:1					0.5 - 1%		

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Triethylene glycol		112-27-6			20 - 30%		
Proprietary 3					30 - 40%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318;	
Butoxy Triglycol	603-183-00-0	143-22-6	205-592-6		10 - 20%	Eye Dam. 1: H318;	
Triethylene Glycol Monomethyl Ether		112-35-6			1 - 10%		
Trimethylolpropane 97%		77-99-6			1 - 10%		
C.I.Solvent Black 27		72812-34-1			1 - 10%		
Carbon Black		1333-86-4	215-609-9		1 - 10%		
Metal Complex Black Dye 29		61901-87-9	403-720-7		0.5 - 1%	Aquatic Chronic 2: H411;	
C.I.Solvent Blue 136		359630-27-6			0.5 - 1%	Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	
C.I. Solvent Yellow 83:1					0.5 - 1%		

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Treat as for inhalation if any signs of poisoning are present.

K7+

Revision 4

Revision date 2017-11-03

4.1. Description of first aid measures

Ingestion	DO NOT INDUCE VOMITING. Seek medical attention.
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4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation of vapour may cause shortness of breath.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin. Repeated exposure may cause skin dryness or cracking.
Ingestion	Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention.
Ingestion	Seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Extinguishing media. Alcohol resistant foam. Carbon dioxide (CO ₂). Dry powder or water fog. Water spray, fog or mist. Do NOT use water jet.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes. Vapours are heavier than air.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear: Self-contained breathing apparatus. Protective equipment.
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Further information

	No data available.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid contact with skin and eyes.
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6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.
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Further information

	No data available.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Ensure adequate ventilation of the working area.
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K7+

Revision 4

Revision date 2017-11-03

7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Keep away from sources of ignition - No smoking.
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7.3. Specific end use(s)

	Used in Industrial applications.
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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

	Control parameters.
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8.1.1. Exposure Limit Values

Carbon Black	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 3.5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 7
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

8.2. Exposure controls

	No data available.
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing. Suitable foot protection e.g. boots. Wear suitable protective clothing. Wear suitable gloves and eye/face protection.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Skin protection - Other	Wear suitable protective clothing and gloves.
Respiratory protection	Self-contained breathing apparatus.
Thermal hazards	No data available.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

K7+

Revision 4
Revision date 2017-11-03

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Black
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Initial boiling point	282 °C
Flash point	177 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.13 (H ₂ O = 1 @ 20 °C)
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Insoluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data available.
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10.4. Conditions to avoid

	Heat, sparks and open flames.
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10.5. Incompatible materials

	Strong oxidising agents.
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10.6. Hazardous decomposition products

	No data available.
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Further information

	No data available.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

	No data available.
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K7+

Revision 4

Revision date 2017-11-03

11.1. Information on toxicological effects

Carcinogenicity	Not determined.
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11.1.4. Toxicological Information

Butoxy Triglycol	Oral Rat LD50: 5,170 mg/kg	Dermal Rabbit LD50: 3,540 mg/kg
C.I. Solvent Yellow 83:1	Oral Rat LD50: 2000 mg/kg	
C.I.Solvent Black 27	Dermal Rat LD50: >2000 mg/kg	Oral Rat LD50: >2000 mg/kg
C.I.Solvent Blue 136	Dermal Rat LD50: > 2000 mg/kg	Oral Rat LD50: > 2000 mg/kg
Carbon Black	Oral Rat LD50: >8000 mg/kg	Inhalation Rat LC50/4 h: >4.6 mg/m3
Metal Complex Black Dye 29	Dermal Rat LD50: 2000 mg/kg Oral Mouse LD50: 2.202 mg/kg	Oral Rat LD50: 5000 mg/kg Inhalation Rat LC50/4 h: 5.9 mg/kg
Proprietary 3	Oral Rat LD50: 3530 mg/kg Inhalation Rat LC50/4 h: No data	Dermal Rabbit LD50: >2000
Trimethylolpropane 97%	Oral Rat LD50: 14000 mg/kg	Oral Mouse LD50: 14000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Butoxy Triglycol	Fish LC50/96h: 4600 mg/l	
C.I. Solvent Yellow 83:1	Daphnia EC50/48h: 100 mg/l	
C.I.Solvent Blue 136	Daphnia EC50/48h: 0.97 mg/l Algae EC50/72h: 0.087 mg/l	Fish LC50/96h: 0.2 mg/l
Carbon Black	Algae IC50/72h: 10000 mg/l	Fish LC50/96h: 1000 mg/l
Metal Complex Black Dye 29	Daphnia EC50/48h: 1000 mg/l Fish LC50/96h: 100 mg/l	Algae IC50/72h: 100 mg/l
Proprietary 3	Daphnia EC50/48h: 50 mg/l Algae EC50/72h: 50	Fish LC50/96h: 5 mg/l

12.2. Persistence and degradability

	No data available.
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12.3. Bioaccumulative potential

	No data available.
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Partition coefficient

	K7+ No data available
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12.4. Mobility in soil

	No data available.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.6. Other adverse effects

	No data available.
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Further information

	No data available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	This product and it's container must be disposed of in accordance with all local and national regulations.
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K7+

Revision 4

Revision date 2017-11-03

SECTION 14: Transport information**14.1. UN number**

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Regulations**

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

This product contains substances for which Chemical Safety Assessment are still required.

SECTION 16: Other information**Other information****Revision**

This document differs from the previous version in the following areas:.

2 - Precautionary Statement: Prevention.

2 - Precautionary Statement: Response.

2 - Precautionary Statement: Disposal.

Text of risk phrases in Section 3

R41 - Risk of serious damage to eyes.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 - May cause long-term adverse effects in the aquatic environment.

Text of Hazard Statements in Section 3

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.