

# Material Safety Data Sheet

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## 1. Identification of the substance

**Product name:** XaarJet Coding and Marking Ink 67K00

## 2. Composition / information on ingredients

<u>Hazardous components</u>	<u>CASNo</u>	<u>Conc.%</u>	<u>Symbol</u>	<u>Risk phrases</u>
butan-2-ol	78-92-2	1-5%	Xi	R10 – 36/37 - 67
2-methoxy-1-methylethyl acetate	108-65-6	1–5%	Xi	R10 –36
n-butylacetate	123-86-4	5-10%		R10-66-67

*Risk phrases, explanations:*

*R10 = Flammable, R36 = Irritating to eyes, R37 = Irritating to skin, R66 = Repeated exposure may cause skin dryness or cracking, R67 = Vapours may cause drowsiness and dizziness*

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## 3. Hazard identification

**Fire:** The product is classified as R10, Flammable. The product does not support combustion.

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## 4. First aid measures

**General advice:** In case of doubt or with persisting symptoms obtain medical attention. Never pass anything through the mouth of an unconscious person. Keep the victim calm and warm

**Inhalation:** Fresh air and rest. Obtain medical advice if symptoms persist.

**Skin contact:** Remove contaminated clothing, and then wash the affected area with soap and water. Contaminated clothing should be laundered before reissue.

**Eye contact:** Rinse with water for at least 15 minutes and get medical attention if irritation persists.

**Ingestion:** Wash out mouth with water and give 200 – 300ml of water to drink. Do **not** induce vomiting. Obtain medical immediately.

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## 5. Fire fighting measures

**Extinguishing media:** Use CO<sub>2</sub>, dry powder or water spray. Remove containers from fire or cool them with water spray.

**Specific hazards:** Do not use water jet. Fire will produce toxic gases / fumes of carbon dioxide.

**Protective equipment for fire fighters:** Self-contained breathing apparatus and safety goggles.

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## 6. Accidental release measures

**Personal precautions:** Use chemical resistant gloves. Avoid breathing vapours. See also paragraph 8.

**Environmental precautions:** Eliminate all sources of ignition and ventilate the area. Do not allow material to enter drains or water courses. In the event of larger spills contact the emergency services.

**Method for cleaning up:** Absorb onto inert material, like earth or sand, and place in suitable container for disposal. Dispose of according to Special Waste . Wash the spillage area clean.

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## 7. Handling and storage

**Handling:** Keep container tightly closed in a dry place at ambient temperature away from direct sunlight. Ensure good ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. Keep away from sources of ignition

**Storage:** Take precautionary measures against static discharge. Keep away from strong oxidising agents and strong acids. Keep away from sources of ignition.

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## 8. Exposure controls / personal protection

**Engineering measures:** Ensure good ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. Avoid contact with the product. Keep away from sources of ignition.

**Personal Protective equipment:**

Where contact may occur, wear chemical resistant gloves, suitable protective clothing and safety goggles. Wear approved mask/respirator if necessary.

**Occupational exposure Limits:**

n-butyl acetate (CAS 123-86-4)	Short term value:	966mg/m <sup>3</sup> , 200ppm
	Long term value:	724mg/m <sup>3</sup> , 150ppm
2-methoxy-1-methylethyl acetate (CAS 108-65-6)	Short term value:	822mg/m <sup>3</sup> , 150ppm
	Long term value:	274mg/m <sup>3</sup> , 50ppm
butan-2-ol (CAS 78-92-2)	Short term value:	462mg/m <sup>3</sup> , 150ppm
	Long term value:	308mg/m <sup>3</sup> , 100ppm

**COSHH Essentials for Printers Control Guidance Sheet**

P114 Narrow-format ink-jet printing

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**9. Physical and chemical properties**

<b>Appearance:</b>	liquid
<b>Colour:</b>	Black
<b>Odour:</b>	Mild solvent
<b>Boiling point (°C)</b>	no data
<b>Flash point (°C)</b>	min. 47
<b>Autoignition Temperture (°C)</b>	Product is not self igniting
<b>Flammability limits (vol-%)</b>	no data
<b>Relative density (g/cm<sup>3</sup>, 20° C)</b>	1.02
<b>Solubility in water (g/l, 20 °C ):</b>	Not miscible

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**10. Stability and reactivity**

<b>Stability:</b>	Stable under normal conditions in tightly closed vessels.
<b>Conditions to avoid:</b>	Avoid sources of ignition.
<b>Materials to avoid:</b>	Avoid strong oxidizing agents, strong acids and strong alkalis.

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## 11. Toxicological information

<b>Inhalation:</b>	Inhalation of vapours at high concentrations may cause headache, dizziness, drowsiness and nausea. Prolonged inhalation of high concentrations may also have other central nervous system effects.
<b>Skin contact:</b>	Prolonged and repeated contact may cause dermatitis.
<b>Eye contact:</b>	Splashes may give eye irritation.
<b>Ingestion:</b>	Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.

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## 12. Ecological information

No data

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## 13. Disposal considerations

**Product and contaminated packaging:** Do not allow to enter drains or water sources. Dispose of according to regulations by incineration in a special waste incinerator.

**Waste Hazard Classification:**

H3B – Flammable

H5 – Harmful

H4 – Irritant

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## 14. Transport information

**Land transport ADR/RID** (cross border) – not classified

**Maritime transport IMDG**

IMDG class: 3.3

UN number: 1210

Packaging group: III

EMS number: 3-05

MFAG: 311

Marine pollutant: No

Proper shipping name: Printing Ink

**Air transport ICAO-TI and IATA-DGR**

ICAO/IATA class: 3

UN/ID number: 1210

Packaging group: III

Proper shipping name: Printing Ink

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## 15. Regulatory information

This product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**Risk Phrase:** **R10 - Flammable**

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## 16. Other information

This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC)

The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.

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