

# Material Safety Data Sheet



**Harmful**



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## 1. Identification of the substance

**Product name:** XaarJet oil-based inks, 81M01, 81Y00, 81K00, 81C00, 81LC01, 81LM01

## 2. Composition / information on ingredients

<u>Hazardous components</u>	<u>CAS-No</u>	<u>Conc.%</u>	<u>Symbol</u>	<u>Risk phrases</u>
<b>Distillates (petroleum),</b> hydrotreated middle	64742-46-7	50-85	Xn	R65, R66, R67
Polyamine, fatty acid	-	<10	Xi	R36/38, R43

*Risk phrases, explanations:*

*R36 = Irritating to eyes, R38 = Irritating to skin, R43 = May cause sensitisation by skin contact, R65 = Harmful: May cause lung damage if swallowed, R66 = Repeated exposure may cause skin dryness or cracking, R67 = Vapours may cause drowsiness and dizziness.*

## 3. Hazard identification

**Health:** Inhalation of high concentrations of vapour or mist may cause headache, tiredness, nausea and dizziness. Repeated exposure may cause skin dryness or cracking. May cause eye irritation. May cause sensitisation by skin contact. May cause lung damage if swallowed.

**Environmental:** None of the substances in this product are classified as dangerous for the environment.

**Fire:** The product is not classified as flammable.

## 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. Following severe exposure the patient should be kept under medical review for at least 48 hours as delayed pulmonary odema may develop.

<b>Inhalation:</b>	Remove patient from exposure, keep warm and at rest. If ill effects occur obtain medical attention and show this Material Safety Data Sheet, label or container.
<b>Skin contact:</b>	Remove contaminated clothing, and then wash the affected area with soap and water. Contaminated clothing should be laundered before reissue. If symptoms develop, obtain medical attention.
<b>Eye contact:</b>	Rinse with eye wash solution or water for at least 15 minutes Obtain medical attention as a precaution.
<b>Ingestion:</b>	Wash out mouth with water and give 200 – 300ml of water to drink. Do <b>not</b> induce vomiting. Obtain medical attention and show this Material Safety Data Sheet, label or container.

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## 5. Fire fighting measures

<b>Extinguishing media:</b>	Use foam or dry powder. Remove containers from fire or cool them with water spray.
<b>Specific hazards:</b>	Not classed as flammable. Combustion will evolve toxic and irritating vapours. Take precautions against static discharges.
<b>Protective equipment for fire fighters:</b>	Self-contained breathing apparatus and safety goggles.

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## 6. Accidental release measures

<b>Personal precautions:</b>	Use chemical resistant gloves. See also paragraph 8.
<b>Environmental precautions:</b>	Do not allow material to enter drains or water courses. In the event of larger spills contact the emergency services.
<b>Method for cleaning up:</b>	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

<b>Handling:</b>	Keep container closed. Ensure good ventilation. Avoid contact with skin and eyes.
<b>Storage:</b>	Keep container tightly closed in a dry place at ambient temperature. Take precautionary measures against static discharge. Keep away from strong oxidising agents.

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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:** No occupational exposure limits assigned.

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## 9. Physical and chemical properties

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Red (magenta), Blue (Cyan), Yellow Black, Pink (Light magenta), Light blue (Light cyan)
<b>Odour:</b>	Solvent
<b>Boiling point (°C)</b>	280-320
<b>Flash point (°C)</b>	>120
<b>Autoignition Temperature (°C)</b>	>200
<b>Flammability limits (vol-%)</b>	0,6- 7
<b>Relative density (g/cm<sup>3</sup>, 20° C)</b>	0,84-0,87
<b>Solubility in water (g/l, 20 °C ):</b>	Not soluble

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## 10. Stability and reactivity

**Stability:** Stable under normal conditions in tightly closed vessels.

**Conditions to avoid:** Avoid sources of ignition.

**Materials to avoid:** Avoid strong oxidizing agents.

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## 11. Toxicological information

**Inhalation:** Inhalation of vapours or mist at high concentrations may cause headache, dizziness, drowsiness and nausea. Prolonged inhalation of high concentrations may also have other central nervous system effects.

**Skin contact:** Irritates the skin and may cause skin dryness or cracking. Prolonged and repeated contact may cause dermatitis. May cause sensitisation by skin contact.

**Eye contact:** Splashes may give eye irritation.

**Ingestion:** Low acute oral toxicity, but small amounts aspirated into the lungs during ingestion may cause pulmonary injury.

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## 12. Ecological information

**Solubility:** The product is essentially insoluble in water.

**Sewage treatment:** No data.

**Ecotoxicity:** No data.

**Water pollution class:** (WGK1) VwVwS Ann. 4. Low hazard to waters.

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## 13. Disposal considerations

**Product and contaminated packaging:** Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste.

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## 14. Transport information

The product is not subject to transport regulations (ADR/RID, IATA/ ICAO and IMDG).

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## 15. Regulatory information

### Classification and labelling

**Danger symbol:** **Xn (Harmful)**

**Risk phrases:** **May cause lung damage if swallowed (R65)**  
**May cause sensitisation by skin contact (R43)**  
**Repeated exposure may cause skin dryness or cracking (R66)**

**Safety phrases:** **Avoid contact with skin (S24)**  
**Wear suitable gloves (S37)**  
**Use only in well-ventilated areas (S51)**  
**If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62).**

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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.