

# Ormo Print GmbH

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www.ormoprint.de  
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## EG-Material Safety Data Sheet

Name: Ormojet Ink Jet 9.4302

Date: 19/08/2014

### **1. Identification of the preparation and the organisation responsible**

1.1 Trade name: Ormojet Ink Jet 9.4302

1.2 recommended use: Ink to be used in industrial ink jet.

1.3 Manufacturer: Phone: +49 89 3230832-0

Ormo Print GmbH

Fax: +49 89 3230832-11

Carl-von-Linde-str. 17

D – 85748 Garching, Germany

**Emergency call:** see manufacturer

### **2. Composition including information on components**

Ink with silica based binder.

Dangerous ingredient:	CAS	EINECS	mass %
Ethanol	64-17-5	200-578-6	15%
1-Methoxy-2-propanol			

### **3. Hazards information (assessment)**

R 10 Flammable

R 67 Vapours may cause drowsiness and dizziness

### **4. First aid**

4. General hints:

4.1 after inhalation:

Care for fresh air. Ask physician.

4.2 after skin contact:

Wash with water and soap, remove immediately impregnated clothing.

4.3 after eye contact:

Wash immediately for at least 10 to 15 minutes with water and ask physician.

4.4 after swallowing:

do not induce vomiting. Ask physician immediately.

### **5. Fire fighting measures**

5.1 suitable extinguishing media:

Foam (alcohol resistant), powder, carbon dioxide, water spray

5.2 special protection for fire fighters:

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use suitable breathing apparatus.

### **6. Accidental release measures**

6.1 Behaviour in case of release:

Wear personal protection (see sec. 8.3) Remove sources of ignition. Take care for good ventilation.

6.2 Environmental protection:

Pay attention to official regulations.

6.3 Cleaning methods:

Absorb with suitable material (e.g. siliceous earth). Collect in suitable containers for disposal.

### **7. Handling and storage**

7.1 Handling:

Hints for safe use:

Keep away from food, beverage and animal feeding stuff. Take care for good ventilation.

Hints for fire and explosion protection:

Avoid electrostatic charge. Solvent vapours are heavier than air and spread over the floor.

Solvent vapours may be explosive when mixed with air. Keep container tightly closed

7.2 Storage:

Requirements for storage places and containers:

Explosion protection is necessary, if explosive atmosphere can not be excluded. Store container upright and keep them tightly closed. Store in original container. Keep away from heat sources and direct sunlight.

### **8. Exposure control**

8.1 Technical protection measures:

Care for good ventilation This can be done by local or general ventilation If this is not sufficient to keep the solvent concentration below the threshold values, a suitable breathing apparatus must be used.

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### 8.2 Threshold values for workers:

CAS.Nr	Bezeichnung	Art	Wert	Bemerkungen
64-17-5	Ethanol	DNEL oral population	87 mg/kg bw day	Longtime, systemic effect
		DNEL dermal population	206 mg/kg bw day	Longtime, systemic effect
		DNEL dermal worker	343 mg/kg bw day	Longtime, systemic effect
		DNEL inhalativ population	950mg/m <sup>3</sup>	acute
		DNEL inhalativ population	114 mg/m <sup>3</sup>	Longtime, systemic effect
		DNEL inhalativ worker	1900 mg/m <sup>3</sup>	acute
		DNEL inhalativ worker	950 mg/m <sup>3</sup>	Longtime, systemic effect
107-98-2	1-Methoxy-2-propanol	DNEL oral population	3.3 mg/kg bw day	Longtime, systemic effect
		DNEL dermal population	18.1 mg/kg bw day	Longtime, systemic effect
		DNEL dermal worker	50.6 mg/kg bw day	Longtime, systemic effect
		DNEL inhalativ population	43.9 mg/m <sup>3</sup>	Longtime, systemic effect
		DNEL inhalativ worker	553.5 mg/m <sup>3</sup>	acute, local effect
		DNEL inhalativ worker	369 mg/m <sup>3</sup>	Longtime, systemic effect

### 8.3 Personal protection measures:

Use product according to good working practice. Do not smoke, eat or drink while working. Do not inhale vapours. Take care for good ventilation.

Hand protection: use protective gloves.

Eye protection: use protective goggles.

Body protection: Use light protective clothing.

## 9. Physico-chemical properties

9.1 Liquid with characteristic smell, colour may differ (see label)

9.2 Safety relevant data:

Begin of boiling: 82 °C

Flame point: 26.5 °C

Ignition temperature: no data available

Density: ca. 0,97 kg/litre at 20 °C

Viscosity: 4.5 mPa\*s

## 10. Stability and reactivity

10.1 If stored and handled as recommended, no dangerous reaction known.

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10.2 Conditions to avoid: strong acids, strong bases, oxidants.

### **11. Toxicological information**

11.1 Acute Toxicity: no data available

11.2 Additional toxicological hints: according to literature, product affects liver and nerves

### **12. Ecological information**

12.1 Do not empty into drains

### **13. Disposal considerations**

13.1 Recommendation: Dispose according to official regulations by incineration in a suitable incineration plant.

13.2.1 Recommendation: Empty containers completely. Containers are to be disposed or recycled according to official regulations.

### **14. Transport information**

14.1 Land transport ADR/RID and GGVS/GGVE (international/national)

Class:	3
Packing group	III
Kemler Code:	30
Proper shipping name:	paint
UN-Number:	UN 1263

14.2 Air transport IACO TI and IATA-DGR:

ICAO/IATA-Class:	3
UN/ID-No.:	UN 1263
Packing group :	III
Proper shipping name:	Paint

### **15. Regulatory information**

15.1 Classification according EG-directive 67/584 EWG:

R-phrase: R 10 Flammable  
R 67 Vapours may cause drowsiness and dizziness

S-phrase: S 51 Use only in well-ventilated areas  
S 60 This material and its container must be disposed of as hazardous waste

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### **16. Other information**

The data in this document are based on our present knowledge; however, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Further information is contained in our technical data sheet.