

## EG-Material Safety Data Sheet

Name: FK Red 4

Date: 13.08.2014

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

1.1 Trade name: FK Red 4

1.2 recommended use: Coloration of Ormoglass and Ormosol paints.

1.3 Manufacturer: Ormo Print GmbH  
Carl-von-Linde-str. 17  
D – 85748 Garching, Germany  
Phone: +49-89-3230832-0  
Fax: +49-89-3230832-11  
**Emergency call:** see manufacturer

### 2. Composition including information on components

Dye solution in solvent.

Dangerous ingredient:	CAS	mass %
4-Hydroxy-4-methyl-2-pentanone	123-42-2	80

### 3. Hazards information (assessment)

R 10 Flammable  
R 36 Irritating to eyes  
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

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5.2 special protection for fire fighters:  
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.
- 8.2 Threshold values for workers: none
- 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.

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Eye protection: use protective goggles.

Body protection: Use light protective clothing.

### **9. Physico-chemical properties**

9.1 Red liquid with characteristic smell.

9.2 Safety relevant data:

Begin of boiling: 168 °C

Flame point: 58 °C

Ignition temperature: 640 °C

Density: approx. 0.94 kg/litre at 20 °C

### **10. Stability and reactivity**

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

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

# Ormo Print GmbH

Carl-von-Linde-str. 17  
85748 Garching  
Tel. +49 (0) 89-3230832-0  
Fax. +49 (0) 89-3230832-11  
www.ormoprint.de  
info@ormoprint.de



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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:

Xi

R-phrase: R 10 Flammable  
R 36 Irritating to eyes  
R 67 Vapours may cause drowsiness and dizziness

### **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.