

## **1. Identification of the substance/preparation and company**

### **1.1 Commercial product name**

JP-K60

### **1.2 Information manufacturer/supplier**

Hitachi Europe GmbH  
Am Seestern 18  
D40547 Düsseldorf  
Telephone : +49 (0) 211 52 83-0  
Telefax : +49 (0) 211 52 83-649  
Inquiry office : GBK Gefahrgutbüro GmbH  
Emergency telephone number : ++49 (0) 6132-84463

## **2. Composition/information on ingredients**

### **Chemical characterization : ( preparation )**

Ink Jet printing ink in organic solvents.

### **Hazardous components**

(Full text of each relevant R phrase can be found in heading 16)

EC No.	CAS No.	Components	Value	Symbols	R-phrases
200-578-6	64-17-5	ethanol	< 90 %	F R11	

## **3. Hazards identification**

Symbols : Highly flammable

R-phrases :

Highly flammable.

## **4. First aid measures**

### **General information**

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.

### **After inhalation**

Move to fresh air in case of accidental inhalation of vapours.  
If you feel unwell, seek medical advice.

### **After contact with skin**

Wash off immediately with soap and plenty of water.  
Consult a doctor if skin irritation persists.

### **After contact with eyes**

If eye irritation persists, consult a specialist.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

### **After ingestion**

Induce vomiting only upon the advice of a physician.  
Attention! Beware, danger of aspiration!  
Do not induce vomiting.  
Summon a doctor immediately.

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

### **Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray

### **Extinguishing media that must not be used for safety reasons**

Full water jet

### **Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Carbon monoxide and carbon dioxide.

Vapours are heavier than air and spread along ground.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

### **Special protective equipment for firefighters**

Use breathing apparatus with independent air supply.

### **Additional information**

Cool containers at risk with water spray jet.

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## **6. Accidental release measures**

### **Personal precautions**

In case of vapour formation use respirator.

Ensure adequate ventilation.

Use personal protective clothing.

### **Environmental precautions**

Do not discharge into the drains or bodies of water.

### **Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

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## **7. Handling and storage**

### **7.1 Handling**

#### **Advice on safe handling**

Keep container tightly closed.

Ensure adequate ventilation, especially in confined areas.

Avoid contact with skin, eyes and clothing.

#### **Advice on protection against fire and explosion**

Do not smoke - volatile.

Keep away from heat and sources of ignition.

Take precautionary measures against static discharges (earthing (grounding) at pouring)

## 7.2 Storage

### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

### Advice on storage compatibility

Incompatible with oxidizing agents.

### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI): 3 A

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## 8. Exposure controls/personal protection

### 8.1 Exposure limit values

#### Exposure limits (EH40)

Components CAS No.	Exposure limit ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
Ethanol 64-17-5	1000 -	1920 -		TWA (8 h) STEL (15 min)	OES OES

### 8.2 Exposure controls

#### Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.  
Pay attention to explosion protection rules.

#### Protective and hygiene measures

Wash hands before breaks and at the end of workday.  
When using, do not eat, drink or smoke.  
Avoid contact with skin, eyes and clothing.

#### Respiratory protection

In case of vapour formation use respirator.  
Breathing apparatus in the event of high concentrations.

#### Hand protection

Protective gloves resistant to chemicals made off viton, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 10 minutes, i.e. protective glove <Vitoject 890> made by www.kcl.de  
This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.  
Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

#### Eye protection

safety goggles with side protection

#### Body protection

Long sleeved clothing.

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## **12. Ecological information**

### **Additional information**

Do not flush into surface water or sanitary sewer system.  
Slightly water hazardous.

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## **13. Advice on disposal**

### **Dispose**

Can be incinerated, when in compliance with local regulations.  
Where possible recycling is preferred to disposal

### **Waste disposal number of Waste from residues / unused product : 080312**

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of printing inks; waste ink containing dangerous substances  
Classified as hazardous waste.

### **Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

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## **14. Transport information**

### **14.1 Land transport (ADR/RID)**

ADR/RID:	3
Hazard-no.:	33
UN number:	1210
Hazard label:	3
ADR packaging group:	II

### **Description of the goods:**

PRINTING INK

### **Remarks**

"LQ 6: combination packaging: 5 l / 20 l; trays: 1 l / 20 l (20 kg total gross mass)"

### **14.2 Inland waterways transport**

### **14.3 Marine transport**

IMDG-Code:	3
UN number:	1210
EMS:	F-E, S-D
Packaging group:	II
Marine pollutant:	No

### **Description of the goods**

PRINTING INK

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#### **14.4 Air transport**

ICAO/IATA-DGR: 3  
UN/ID number: 1210  
Hazard label: 3

ICAO-packaging group: II

**Description of the goods**  
PRINTING INK

#### **Remarks**

PAC 305 (1 L), CAC 307 (5 L)

#### **14.5 Further Information**

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### **15. Regulatory information**

#### **15.1 Labelling**

##### **Indication of danger**

F - Highly flammable

##### **Labelling according to EC-guidelines**

According to EC-regulations the product is to be labelled as follows:

##### **R phrases**

11  
Highly flammable.

##### **S phrases**

02  
Keep out of the reach of children.

#### **15.2 National regulations**

Water contaminating class: 1 - slightly water contaminating  
1999/13/EC (VOC): < 90 %

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### **16. Other information**

#### **List of relevant R phrases**

11 Highly flammable.

#### **Other data**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

The delivery specifications are contained in the corresponding product sheet.

"(n.a. = not applicable; n.d. = not determined)"

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**Changes**

This data sheet contains changes from the previous version in section(s) 8.1, 15.2

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