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# SHANGHAI SILIAN PRINTING INK CHEMICAL CO. LTD.



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## Material Safety Data Sheet

According to 91/155 EC and 93/112 EC

### Sheet-Fed Offset Inks

#### 1. Identification of substance

**Trade Name:** Sheet -Fed Offset Inks

**Intended Use:** Printing on substrates (usually paper) via offset printing.

**Application of the substance/the preparation:** Printing inks

#### 2. Composition/Data on components:

##### Chemical characterization

##### Description:

Preparation from organic and inorganic pigments and/or carbon black (not valid for unpigmented systems like printing varnishes), resins, vegetable and mineral oils.

##### Dangerous components:

Mineral oils	20-40%	CAS No. 8042-47-5
Xn; R 65-66		

#### 3. Hazards identification:

**Hazards designation:** Non-hazardous preparation according to EEC-Directives 67/548/EEC or 88/379/EEC.

##### Information pertaining to particular dangers for man and environment:

The product does not have to be labeled due to the calculation procedure of the "General Classification Guideline for Preparations of the EU" in the latest valid version.

#### 4. First aid measure:

**After inhalation:** Remove to fresh air.

##### After skin contact:

Remove contaminated clothing.

Wash skin thoroughly with soap and water or use recognised skin cleaner.

**DO NOT** use solvents or thinners.

##### After eye contact:

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Remove contact lenses.

Seek medical advice.

##### After swallowing:

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If accidentally swallowed obtain immediate medical attention.

Keep at rest

**DO NOT** induce vomiting.

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

**Suitable extinguishing agents:** Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.

**For safety reasons unsuitable extinguishing agents :** Water jet.

**Special hazards caused by the material, its products of combustion or flue gases:**

Exposure to hazardous decomposition products may cause a health hazard.

Appropriate breathing apparatus may be required.

Fire will produce dense black smoke.

Cool closed containers exposed to fire with water.

**Additional information:** Collect run-off from fire fighting.

#### **6. Accidental release measure:**

**Person-related safety precaution:**

Refer to protective measure listed in section 7 and 8

Ventilate the area.

**Measures for environmental protection:**

If the product contaminates rivers and lakes or sewages inform respective authorities.

Do not allow to enter drains.

**Measure for cleaning/collecting:**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations.

Clean preferably with a detergent.

Avoid use of solvents.

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

**Handling**

**Information for safe handling:**

Smoking, eating and drinking should be prohibited in application area.

Avoid skin and eye contact.

For personal protection see section 8.

Comply with health and safety at work laws.

**Storage**

**Requirements to be met by storerooms and containers:**

Keep container tightly closed.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Further information about storage conditions:**

Store in a dry , well-ventilated place.

Always keep in containers of the same material as the original one.

Keep away from sources of heat and direct sunlight.

Store in according with the particular national regulations concerning storage of combustible liquids.

Store in according with the particular national regulations concerning water pollution.

## 8. Exposure controls and personal protection:

**Additional information about design of technical systems:** provide adequate ventilation.

### Personal equipment

**Breathing equipment:** not necessary if room is well ventilated.

### Protection of hands:

For prolonged or repeated contact use gloves.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests nor recommendation to the glove material can be given for the product/the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

### Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

### Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** use safety eyewear designed to protect against splash of liquids.

### Body protection:

All parts of the skin should be washed after contact.

Working clothes must not consist of textiles, which show a dangerous melting behavior in case of fire.

## 9. Physical and chemical properties:

### General Information

<b>Form:</b>	Pasty
<b>Colour:</b>	according to the tradename of the product
<b>Smell:</b>	characteristic

### Change in condition

**Boiling point/Boiling range:** >270C °

**Flash point:** >65C °

**Ignition temperature:** >200C °

### Critical values for explosion:

**Lower:** 0.5Vol%

**Upper:** 6.5Vol%

**Steam pressure at 20 °C:** <0.1 hPa

**Density at 20°C:** about 1.05g/cm<sup>3</sup>

(Exceptions: white and metal pigments)

### Solubility in/Miscibility with

**water:** partly or not miscible

### Solvent content:

**Organic solvents:** <0.5%

**Water:** <0.5%

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**10. Stability and reactivity:****Thermal decomposition /conditions to be avoided:**

Stable under recommended storage and handling conditions (see section 7).

**Materials to be avoided:**

Keep well away from oxidizing agents and strongly alkaline or strongly acid materials in order to avoid exothermic reactions.

**Dangerous products of composition:**

Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide and smoke.

**11. Toxicological information:**

The preparation is classified according to the conventional method (calculation method of the EC-directive 88/379/EEC).

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis.

The liquid splashed in the eyes may cause irritation and reversible damage.

**12. Ecological information:**

The product should not be allowed to enter drains of watercourses or soil.

**13. Disposal considerations:****Product:**

**Recommendation:** Do not allow to enter drains.

**European waste catalogue:**

08 03 13 waste ink other than those mentioned in 08 03 12

**Uncleaned packagings:**

Recommendation: Not orderly emptied cans and ink remnants are special waste.

**14. Transport information:**

Not classified according to transport regulations for dangerous goods.

**Maritime transport IMDG/GGVSea:**

**Maritime pollutant:** No.

**15. Regulatory information:****Designation according to EC guidelines:**

No hazardous substance or preparation according to EC-Directives 67/548/EEC or 88/379/EEC.

**16. Other information:**

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws.

It is always the responsibility of the user to take all necessary steps in order to fulfill the demands laid down in the rules and legislation.

The information in this MSDS is meant as description of safety requirements of our product; it is not to be considered as a guarantee of the product's properties.

**Relevant R-phrases:**

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposures may cause skin dryness or cracking.

**Data compared to the previous version altered.**