

Material Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

·1.1 Product identifier

·Trade name: OFFSET INK 4 COLOR

1.2 Relevant identified uses of the substance or mixture and uses advised against

·Application of the substance / the mixture: Printing

1.3 Details of the supplier of the safety data sheet

·Manufacturer / Supplier: FUZHOU DAIHEI INK CO.,LTD.

Full address:NO.1 OF EAST ROAD 8TH, TIELING INDUSTRY AREA, MINHOU, FUZHOU, FUJIAN, CHINA

·Phone number : 0591-38260128

·Fax:0591-38260086

·Email: daiheicn@daiheiink.com

·Only Representative / other EU contact point: Not available

·Further information obtainable from: FUZHOU DAIHEI INK CO.,LTD.

1.4 Emergency telephone number: 0591-38260128

SECTION 2: Hazards identification

2.1 The product requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830.

·Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways



GHS07

Skin Irrit. 2 H315 Causes skin irritation

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.



Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of Regulation (EC) No. 1272/2008.

Classification system:

The classification is according to the latest edition of the Regulation(EC) No. 1272/2008, and extended by company and literature data.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07



GHS08

·Signal word Danger

Hazard-determining components of labelling:

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P301+P310 **IF SWALLOWED:** Immediately call a POISON CENTER/ doctor.

P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

·2.3 Other hazards:

·Results of PBT and vPvB assessment

·PBT: Not applicable.

·vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

·3.2 Mixtures

·Description:

Mixture of the substances listed below with nonhazardous additions.

For the wording of listed risk phrases refer to section 16.

Magenta		
·Composition:		
CAS : 5281-04-9	Red Pigment 57:1	15-22%
CAS : 8042-47-5	HYDROCARBON SOLVENT	10-20%
CAS : 70955-45-2	ROSIN MODIFIED PHENOLIC RESIN	25-30%
CAS : 8001-22-7	SOYBEAN OIL	20-30%
CAS : 9002-88-4	POLYETHYLENE WAX	1 - 3%
CAS : 15956-58-8	Manganese Isooctanoic Acid	0.5 - 2%

Yellow		
·Composition:		
CAS : 6358-85-6	Yellow Pigment 12	8-12%
CAS : 8042-47-5	HYDROCARBON SOLVENT	10-25%
CAS : 70955-45-2	ROSIN MODIFIED PHENOLIC RESIN	25-30%
CAS : 8001-22-7	SOYBEAN OIL	20-30%
CAS : 9002-88-4	POLYETHYLENE WAX	1 - 3%
CAS : 15956-58-8	Manganese Isooctanoic Acid	0.5 - 2%

Cyan		
·Composition:		
CAS : 147-14-8	Pigment Blue 15:3	15-20%
CAS : 8042-47-5	HYDROCARBON SOLVENT	10-20%
CAS : 70955-45-2	ROSIN MODIFIED PHENOLIC RESIN	25-30%
CAS : 8001-22-7	SOYBEAN OIL	20-30%
CAS : 9002-88-4	POLYETHYLENE WAX	1 - 3%
CAS : 15956-58-8	Manganese Isooctanoic Acid	0.5 - 2%

Black		
·Composition:		
CAS : 1333-86-4	Carbon Black	16 - 22%
CAS : 147-14-8	Pigment Blue 15:3	0 - 2%
CAS : 8042-47-5	HYDROCARBON SOLVENT	10 - 20%
CAS : 70955-45-2	ROSIN MODIFIED PHENOLIC RESIN	25 - 30%
CAS : 8001-22-7	SOYBEAN OIL	20 - 30%
CAS : 9002-88-4	POLYETHYLENE WAX	1 - 3%
CAS : 15956-58-8	Manganese Isooctanoic Acid	0.5 - 2%

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•Remark:

Red Pigment 57:1 (CAS : 5281-04-9)
Yellow Pigment 12 (CAS : 6358-85-6)
Carbon Black (CAS: 1333-86-4)
Pigment BLUE 15:3 (CAS : 147-14-8)
HYDROCARBON SOLVENT (CAS:8042-47-5)
ROSIN MODIFIED PHENOLIC RESIN (CAS : 70955-45-2)
SOYBEAN OIL (CAS : 8001-22-7)
POLYETHYLENE WAX (CAS : 9002-88-4)
Manganese isooctanoic acid (CAS : 15956-58-8)

SECTION 4: First aid measures

•4.1 Description of first aid measures

•After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

•After skin contact: Immediately wash with water and soap and rinse thoroughly.

•After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

•After swallowing: If symptoms persist consult doctor.

•4.2 Most important symptoms and effects, both acute and delayed:

No further relevant information available.

•4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

SECTION 5: Firefighting measures

•5.1 Extinguishing media

•Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

•5.2 Special hazards arising from the substance or mixture: No further relevant information available.

•5.3 Advice for firefighters

•Protective equipment: No special measures required.

SECTION 6: Accidental release measures

•6.1 Personal precautions, protective equipment and emergency procedures: Not required.

•6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

•6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

•6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

•7.1 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

•Information about fire - and explosion protection: No special measures required.

•7.2 Conditions for safe storage, including any incompatibilities

•Requirements to be met by storerooms and receptacles: No special requirements.

•Information about storage in one common storage facility: Not required.

•Further information about storage conditions: None.

•7.3 Specific end use(s): No further relevant information available.

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SECTION 8: Exposure controls/personal protection

·8.1 Control parameters

·Ingredients with limit values that require monitoring at the workplace:	
1333-86-4 carbon black (18,0%)	
WEL (Great Britain)	Short-term value: 7 mg/m ³
	Long-term value: 3,5 mg/m ³
VME (France)	Long-term value: 3,5 mg/m ³

·DNELs: Not available

·PNECs: Not available

·Additional information: The lists valid during the making were used as basis.

·8.2 Exposure controls

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.

·Appropriate engineering controls:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

See Section 7 for information about design of technical facilities.

·Personal protective equipment

·Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

·Protection of hands:



Protective gloves

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

Due to missing tests no 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: Goggles recommended during refilling

·Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

·9.1 Information on basic physical and chemical properties

·Appearance

Form:	Paste
Colour:	Red, Yellow, Cyan ,Black
·Odour:	Odourless
·Odour threshold:	Not available

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·pH-value:	Not available
·Change in condition	
Melting point/Melting range:	Not available
Boiling point/Boiling range:	500-550 °C
·Freezing point:	Not available
·Flash point:	145 °C
·Flammability (solid, gaseous):	Not available
·Auto-Ignition temperature:	Not available
·Decomposition temperature:	Not available
·Self-igniting:	Product is not selfigniting.
·Explosive properties:	Product does not present an explosion hazard.
·Explosion limits	
Lower:	Not available
Upper:	Not available
·Oxidizing properties:	Not available
·Vapour pressure:	Not available
·Density:	Not available
·Relative density:	Not available
·Vapour density:	Not available
·Evaporation rate:	Not available
·Solubility in / Miscibility with	
water:	Not available
·Partition coefficient (n-octanol/water):	Not available.
·Viscosity	
Dynamic:	Not available.
Kinematic:	Not available
·9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity: Data not available
- 10.2 Chemical stability: Data not available
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects

·Acute toxicity

·LD/LC50 values relevant for classification:		
1333-86-4 carbon black		
Oral	LD50	10000 mg/kg (rat)

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- **Primary irritant effect**
- **Skin Corrosion/Irritation:** Does not meet the classification criteria for this hazard class
- **Serious Eye Damage/Irritation:** Does not meet the classification criteria for this hazard class
- **Respiratory or Skin Sensitisation:** Does not meet the classification criteria for this hazard class
- **Germ Cell Mutagenicity:** Does not meet the classification criteria for this hazard class
- **Carcinogenicity :** Does not meet the classification criteria for this hazard class
- **Reproductive Toxicity :** Does not meet the classification criteria for this hazard class
- **Stot - Single Exposure :** Does not meet the classification criteria for this hazard class
- **Stot- Repeated Exposure :** Does not meet the classification criteria for this hazard class
- **Aspiration Hazard :** Does not meet the classification criteria for this hazard class
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):**
Does not meet the classification criteria for this hazard class

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability:** No further relevant information available.
- **12.3 Bioaccumulative potential:** No further relevant information available.
- **12.4 Mobility in soil:** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation:**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packaging**

- **Recommendation:**

SECTION 14: Transport information

- **14.1 UN-Number**

• **ADR, IMDG, IATA** Not applicable

- **14.2 UN proper shipping name**

• **ADR, IMDG, IATA** Not applicable

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·14.3 Transport hazard class(es)	
·ADR, IMDG, IATA	
·Class	Not applicable
·Label	-
·14.4 Packing group	
·ADR, IMDG, IATA	Not applicable
·14.5 Environmental hazards	
·Marine pollutant:	No
·14.6 Special precautions for user:	Not applicable.
·Danger code (Kemler):	-
·14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

SECTION 15: Regulatory information

·15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

·MAK(German Maximum Workplace Concentration)

1333-86-4 carbon black

·National regulations

·Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

·Other regulations, limitations and prohibitive regulations

·SVHC Candidate List of REACH Regulation (Art. 59 REACH)

None of the ingredients is listed

·REACH Regulation Annex XVII Restriction (8/10/2018)

None of the ingredients is listed

·REACH Regulation Annex XIV Authorisation List (10/1/2018)

None of the ingredients is listed

·15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

·Relevant phrases

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

R43 May cause sensitization by skin contact.

The contents and format of this SDS are in accordance with REGULATION (EC) No. 1272/2008, (EC) No. 1907/2006, REGULATION (EU) No. 830/2015 and EU Commission Directive 1999/45/EC, 67/548/EEC.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the

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information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

•Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

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