

Material Safety Data Sheet

Date:01/01/2020

1 Chemical Product and Company Identification

1.1 Identification of the Product

Name : Eco Ink

Color: Cyan、Yellow、Magenta、Black、Flush

Chemical family:.

Blends of solvents, additives and pigments.

1.2 Company Identification

Manufacture/Supplier:

Guangzhou Ruizhi Digital Science&Technology Co.,Ltd

No.5,Minying West 2nd Cross Road,Xintang Town,Zengcheng District,Guangzhou, China.

2 Composition/Information on Ingredients

Components	CAS No.	%by weight
GBL(γ -Butyrolactone)	96-48-0	7
DEE(Diethylene glycol diethylether)	112-36-7	3
DEME(Diethylene glycol methyl ethyl ether)	1002-67-1	75
NMP(N-Methyl pyrrolidone)	872-50-4	10
EBA(2-Butoxyethyl acetate)	112-07-2	5

The ingredients not listed are not considered as dangerous substances according to 29 CFR 1910-1200 (USA).

3 Hazard Identification

Hazardous Materials Identification System (HMIS)

- Health -1 slight

Flammability -2 moderate

Reactivity -0 no

Hazard ratings are 0 to 4 (0= no hazard; 4= extreme hazard)

Fire and explosion hazard. Leakof or spills of liquid can form flammable mixtures at temperatures at or above flash point.

4 First Aid Measures

After inhalation

Supply fresh air. Have the person rest. Seek immediate medical advice.

After skin contact

Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing

Seek immediate medical advice. Provide information for doctor. The following systems may occur: headache, dizziness, nausea and gastric or intestinal disorders.

5 Fire Fighting Measure

Suitable extinguishing

agents

Use carbon dioxide, extinguishing powder or foam. Water may be ineffective but may be used for cooling exposed containers. Do not use water extinguisher when printers are on fire.
Hazardous combustion products-No unusual products.

6 Accidental Release Measures

Safety precautions : Wear protective equipment. Ensure adequate ventilation and keep away from ignition source.

Measures for environmental protection: Do not allow material to be released to the environment without proper governmental permits.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, sawdust or universal binders)

7 Handling and Storage

Keep container tightly sealed. Store in cool place/Ensure good ventilation at the workplace. Keep ignition sources away.

Storage and transport temperature: <65 degree

C. 8 Exposure control and Personal protection

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Avoid contact with skin and eyes. Handle in the presence of adequate ventilation.

Where exposure is likely to exceed acceptable criteria use approved respiratory protection equipment.

Use impervious gloves for hand protection

Use safety glasses or tightly sealed goggles for eye protection. Wear protective work clothing.

9 Physical and Chemical Properties

color:	transparent
odor:	strong ketone characteristic
boiling point:	146 to 218 degree C.
flash point (TCC):	about 74 degree C.
decomposition temperature:	not determined
ignition temperature:	not determined
solubility in water:	moderate(1-10%).
viscosity:	<10 mPa`s
% Volatiles by volume:	95-

100% 10 Stability and Reactivity

Hazardous polymerization:	none
Thermal decomposition;	none if used and stored according to
specifications. Stability:	stable
Materials and conditions to avoid:	strong oxidizing

agents. 11 Toxicological Information

Acute:

Primary irritant effect:

on skin: irritant to skin and mucous membranes.

on eye: strong irritant with the danger of severe eye injury.

inhalation: may produce headache, dizziness, nausea and could be anesthetic and may cause other effects on the central nervous system.

Chronic:

To the best of our knowledge the acute and chronic toxicity of the substance is not fully known.

12 Ecological Toxicological Information

General notes: Do not allow material to be released to the environment without proper governmental permits.

13 Disposal Considerations

Consult state, local or national regulations for proper disposal.

This product is not suitable for disposal by either landfill or via municipal sewage system or rivers. This product is ashless and can be burned directly in the appropriate facility.

14 Transport Information

e.g. IMO/IMDG not regulated

Suggestion according to IMO IMDG Code. Non-bulk shipment

Proper shipping name: not regulated (flash point 74 degree C. closed cup) Recommended packaging:PG111

15 Regulations

Product related hazard information:

Hazard symbols:

Xi irritant

Risk phrases:

37/38 irritating to respiratory system and skin Safety phrases:

26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

National regulations

All components of this product are listed in the US EPA toxic substances Control Act Chemical substance Inventory.

Information about limitation of use:

For use only by technically qualified individuals.

16 Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this process, is the responsibility of the user.