

Material Safety Data Sheet

DATE:01/01/2020

NAME OF MANUFACTURER: Guangzhou Ruizhi Digital Science&Technology Co.,Ltd
ADDRESS: No.5,Minying West 2nd Cross Road,Xintang Town,Zengcheng
District, Guangzhou, China.

1. Chemical Product Name: SG-1024 Ink (CYAN, MAGENTA, YELLOW, BLACK, FLUSH)

2. Identification

Risk of serious damage to eyes

Irritating to respiratory system or skin

3. Composition / Information on Ingredients

Color Magenta / Yellow

Ingredients	CAS.NO	CONC.%	Symbol	Risk phrases
Ethylene glycol monobutly ether acetate	112-07-2	50-70%	Xi	R37 R41
1-methyl-2-pyrrolidinone	872-50-4	20-30%	Xi	R37 R41
Pentanedioic acid, 2-methyl-, dimethyl ester	10171-92-3	5-10%	Xi	R10

COLOR Cyan /Black

Ingredients	CAS.NO	CONC.%	Symbol	Risk phrases
Ethylene glycol monobutly ether acetate	112-07-2	50-70%	Xi	R37 R41
1-methyl-2-pyrrolidinone	872-50-4	20-30%	Xi	R37 R41
Pentanedioic acid, 2-				

Risk phrases, explanations

R37 = Irritating to respiratory system

R41 = Risk of serious damage to eyes

R10 = Flammable

4. First Aid Measures

EYE CONTACT: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

SKIN CONTACT: In case of skin contact, flush with plenty of water for at least 15 minutes.

INHALATION: If symptoms develop, immediately move individual away from exposure to fresh air. Seek medical attention. Keep individual warm and quiet. If breathing is difficult administer oxygen.

INGESTION: In case of ingestion, do not induce vomiting, call a physician, contact a poison control center.

5. Fire Fighting Measures

PROCEDURES: Fire fighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area, if it can be done with out risk. Use water on fire-exposed containers to cool.

Protective Equipment for Fire Fighters:

Self-contained breathing apparatus and safety goggles

6. Accidental Release Measures.

Personal Precautions : Insist on personal protective measures. Do not smoke, use naked flames or other sources of ignition.

Environmental Precautions: The product should not be dumped in nature, but collected and delivered according to agreement with local authorities. Do not allow to enter into drains, sewers or water courses

7. Handling and Storage

HANDLING: Avoid contact with skin, eyes, and clothing. Do not ingest or inhale. After use, wash hands with soap and water.

STORAGE: Seal container when not in use. Store in cool, dry place away from direct sunlight. Avoid freezing. Avoid exposure to ambient temperatures in excess of 50°C. **KEEP THIS AND ALL CHEMICALS OUT OF THE REACH OF CHILDREN.**

8. Exposure Controls / Personal Protection

Monitoring of the workplace should be considered in accordance with Community Exposure Limits or other data as indicated below

LTEL (8 hour TWA): 20 ppm 133 mg/m³ WEL data for 2-Butoxyethyl acetate EH40 (2005)

STEL (15min) 50 ppm 332 mg/m³ WEL data for 2-Butoxyethyl acetate EH40 (2005)

ENGINEERING MEASURES: Use in well ventilated work area. Eliminate all ignition sources(flames, sparks).

PERSONAL PROTECTIVE EQUIPMENT:Protective mask,safety glass, gloves and apron. Fire extinguisher in area.

9. Physical and Chemical Properties

Appearance: Liquid

Color: cyan, magenta, yellow, black

Odor: Characteristic

Flash point (°C): 65

Boiling Point (°C): 156 @ 760mm Hg

Relative density : 0.94-0.99@ 25°C

Vapor density: >1 (air=1)

Viscosity: 6-12 mPas @ 25°C

Evaporation Rate: < 0.2 (BuAc =1)

Additional information: Surface tension: 29 – 31 mN/m @ 25°C.

10. Stability and Reactivity

Stability: Stable under normal conditions of handling.

Conditions to Avoid: Avoid heat, flames and other sources of ignition, Avoid contact with strong oxidisers.

Hazardous Polymerisation: Not relevant

11. Toxicological Information

Acute toxicity

LD50 rat (oral) 2400 mg/kg data for 2-Butoxyethyl acetate RTECS KJ8925000

LD50 rabbit (skin) 1500 mg/kg data for 2-Butoxyethyl acetate RTECS KJ8925000

Acute irritation/corrosivity.

Eye (rabbit): 500 mg/24H – MILD data for 2-Butoxyethyl acetate RTECS KJ8925000

Sensitisation: No data available

12. Ecological Information

EC50 daphnia magna 37 mg/l/48H data for 2-Butoxyethyl acetate

Bio Accumulation : BCF: 3.2 (data for 2-Butoxyethyl acetate)

13. Disposal Considerations

Product and Contaminated Packaging:

Dispose of in accordance with all applicable governmental regulations. Prevent for entering drains, sewers, streams or other bodies of water. Use empty ink bottle to store waste. Cap waste container tightly.

Waste class: European Waste Class (EWC) 08 02 12.

14. Transport Information

Non-bulk shipment

Proper shipping name: not regulated (flash point 81 degree C. closed cup)

Recommended packaging:PG111

15. Regulatory Information

Classification and Labelling

Danger symbol: Xi (Irritant)

Risk Phrases: Irritating to respiratory system (R37)

Risk of serious damage to eyes (R41)

Harmful to aquatic organisms, may cause long-term effects in the aquatic environment (R 52/53).

Safety Phrases: Avoid contact with eyes and skin (S25). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26).

Wear eye/face protection (S39)

EU Directives: System of Specific information relating to Dangerous Preparations 2001/58/EEC

Dangerous Preparations Directive 1999/45/EEC

Guidance Notes: Workplace Exposure limits LH40

CHIP for everyone HSG (108)

National Regulations: The Chemicals (Hazard Information and Packaging for

Supply) Regulations 2002. No 1689

Workplace Exposure Limits 2005 (EH40).

16. Other Information

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties