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检验
INSPECTION
CNAS IB0071



NO.2623010361

SAFETYDATASHEET

Product Name: PRINTER CARTRIDGE

Effective Date: 2023-01-01

Compiler: Huang Chaozheng

Checker: Lou Wangping

Approver: Fanbin



Shanghai Institute of Chemical Industry Testing Co., Ltd.



Speed Infotech (Beihai) Company Limited

SAFETY DATA SHEET

PRINTER CARTRIDGE

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: PRINTER CARTRIDGE
Company Address: Speed Infotech(Beihai)Company Limited
No.3,A6 Export Processing Zone, Beihai West Avenue,Haicheng Dist.Bcihai,
Guangxi,536000,P.R.China
Email: candy@speed-china.com
Fax: /
Emergency Phone: 86-21-51087299*809
Recommend use of the chemical and restrictions on use:Suitable for inkjet printing.Lsc for purposcs
other than inkjet printing is restricted.
SDS Number: 2623010361
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SECTION2 HAZARDS IDENTIFICATION

GHS Classification:

Physical Hazards:
Not Classified

Health Hazards:

Serious cyc damage/eye irritation Catogory 1
Spccific target organ toxicity-Singlc exposure Catcgory 1(Central norvous system, blood systcm, kidncys)
Spccific target organ toxicity-Repcated exposurc Catcgory 2(Kidncys)

Environmental Hazards:

Classification not possibl

The product contains 1-10.15% of componcnts with no data or information for classification,and thus
may have unknown potential hazards to human hcalth and the environment.

The hazards not mcntioned are not applicable or no data availabl.

Label Elements:

Pictogram:



Signal Word:

Dangcr

Hazard Statements:

H318 Causes serious eye damage

H370 Causes damage to organs (Central nervous system, blood system, kidneys)

H373 May cause damage to organs through prolonged or repeated exposure (Kidneys).

Prevention/Precautionary Statements:

P280 Wear eye protection /face protection.

P260 Do not breathe dust/fume/gas/mist/vapours/spray

P264+P265 Wash hands thoroughly after handling. Do not touch eyes.

P270 Do not eat, drink or smoke when using this product

Response/Precautionary Statements:

P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P317 Get medical help

P308+P316 IF exposed or concerned Get emergency medical help immediately

Storage/Precautionary Statements:

P405 Store locked up

Disposal/Precautionary Statements:

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

Other Hazards:

No data available.

SECTION 3 INFORMATION ON INGREDIENTS

Product name:

PRINTER CARTRIDGE

Ingredient	Concentration	CAS No.	EC No
Mixtures:			
Water	75-85%	7732-18-5	231-791-2
Ethylene glycol	5-15%	107-21-1	203-473-3
Triethylenc glycol monobutyl ether	1-10%	143-22-6	205-592-6
Urea	1-10%	57-13-6	200-315-5
Dye:			
Reactive red 141	2.5%	61931-52-0	612-761-1
Direct black 19	2.5%	6428-31-5	29-208-
Direct blue 199	2.5%	12222-04-7	602-190-6
Direct yellow 86	2.5%	50925-42-3	256-851-5
1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	<0.1%	6440-58-0	229-222-8
2,4-Imidazolidinedione, (hydroxymethyl)-5,5-dimethyl-	<0.05%	27636-82-4	608-120-0

SECTION4 FIRST-AID MEASURES

Skin Exposure:

In case of contacting with skin, flush with copious amounts of water. If irritation persists, Call a physician.

Eye Exposure:

In case of contacting with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician immediately.

Inhalation Exposure:

If inhaled, immediately remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician.

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Most Important Symptoms/Effects, Acute and Delayed:

No data available.

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary:

No data available.

SECTION5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam

Specific Hazards Arising from the Chemical:

Take care as it may decompose upon combustion or in high temperatures to generate carbon oxides, nitrogen oxides, sodium oxides, hydrogen iodide gas, sulfur oxides.

Special Protective Action for Fire-fighters:

Firefighters should wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Isolate the accident area. Entry to noninvolved personnel should be controlled. Cool the container down with water spray until the fire is put out. Move the container from the fire to the open space as much as possible.

SECTION6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment. Remove all sources of ignition. Avoid breathing vapor or mist. Keep people away from and upwind of leakage or spillage. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Avoid entering drains.

Methods and Materials for Containment and Cleaning up:

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Avoid raising dust.

SECTION7 HANDLING AND STORAGE

Precautions for Safe Handling:

Operators should be trained and strictly abide by operating procedures. Wear appropriate protective clothing and safety gloves. Avoid inhalation of vapor or mist. Do not contact with eyes. Avoid contacting with skin and clothing. Avoid formation of vapor or mist. Keep away from ignition sources, heat and flame. No smoking at working site. Wash hands and face thoroughly after handling. Mechanical exhaust required. Incompatibilities: Strong acids, strong bases, strong oxidizing agents. Load and unload gently when handling. Prevent the package from breaking and getting damp so as to cause losses. Working place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong acids, strong bases, strong oxidizing agents. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

SECTION 8 EXPOSURE CONTROL/PPE

Control Parameters:

GBZ2.1-2019 Occupational Exposure Limits for Hazardous Agents in the Workplace~Part 1: Chemical Hazardous Agents;

Ethylene glycol: PC-TWA 20mg/m³ PC-STEL 40mg/m³

Urea: PC-TWA 5mg/m³ PC-STEL 10mg/m³

ACGIH:

Ethylene glycol: TLV-CL 100 mg/m³

Appropriate Engineering Controls:

Mechanical exhaust required. Safety shower and eye bath

Individual Protection Measures:

Eye/Face Protection:

Wear chemical safety glasses.

Skin Protection:

Hand Protection: Wear compatible protective gloves

Body Protection: Wear appropriate protective clothing

Respiratory Protection:

Wear government approved respirator.

Thermal Hazards:

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Appearance: Dye ink liquid
Weak odor

pH Value: 8.6-8.7 (50g/L Solution)

Solubility: Miscible in water

Melting Point/Freezing Point: Not applicable

Boiling Point, Initial Boiling Point and Boiling Range:	No data available
Flash Point (Closed Cup):	>96.0
Density/Relative Density:	No data available
Kinematic Viscosity:	No data available
Lower/Upper Explosion Limit/Flammabili ty Limit:	No data available
Vapour Pressure:	No data available
Relative Vapor Density:	No data available
Partition Coefficient	No data available
N-Octanol/Water(Log Value):	No data available
Autoignition Temperature:	No data available
Decomposition Temperature:	Not applicable
Particle Characteristics:	Not applicable
Flammability (Solid,Gas);	Not applicable

SECTION10 STABILITY AND REACTIVITY

Reactivity:

No data available.

Chemical Stability;

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions:

No data available.

Conditions to Avoid:

No data available.

Incompatible Materials:

Strong acids, strong bases, strong oxidizing agents.

Hazardous Decomposition Products:

Carbon oxides, nitrogen oxides, sodium oxides, hydrogen iodide gas, sulfur oxides

SECTION11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Ethylene glycol: Rat Oral LD₅₀: 4700 mg/kg; Rat Inhalation LC₅₀: 10876 mg/kg; Rabbit Dermal LD₅₀: 9530 uL/kg
 Iritethylene glycol monobutyl ether: Rat Oral LD₅₀: 5300 mg/kg; Rabbit Dermal LD₅₀: 3540 uL/kg

Skin Corrosion/Irritation:

No data available.

Serious Eye Damage/Irritation:

Causes serious eye damage.

Respiratory Sensitization:

No data available.

Skin Sensitization:

No data available.

Germ Cell Mutagenicity:

No data available.

Carcinogenicity:

No data available.

Reproductive Toxicity:

No data available.

Specific Target Organ Toxicity -Single Exposure:

Causes damage to organs (Central nervous system, blood system, kidneys).

Specific Target Organ Toxicity -Repeated Exposure:

May cause damage to organs through prolonged or repeated exposure (Kidneys).

Aspiration Hazard:

No data available.

SECTION12 ECOLOGICAL INFORMATION**Toxicity:**

Ethylene glycol:

Toxicity to fish static test LC_{50} - Pimephales promelas (fathead minnow) - > 72860 mg/l - 96 h (US-EPA)Toxicity to daphnia and other aquatic invertebrates static test EC_{50} - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)**Persistence and Degradability:**Ethylene glycol: Biodegradability aerobic - Exposure time 10 d Result: 90 - 100 % - Readily biodegradable.
(OECD Test Guideline 301A)**Bioaccumulative Potential:**

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

SECTION13 DISPOSAL CONSIDERATION**Disposal Methods:**

Recycle as far as possible. If unable to recycle, it is recommended to use incineration method for disposal under supervision. This product should not be disposed of by discharge into sewers. Return empty containers to the manufacturer or dispose of them in accordance with national and local regulations. Follow the relevant provisions of national and local regulations before disposal. It is recommended to be disposed of by a qualified chemical waste treatment department.

SECTION14 TRANSPORT INFORMATION

RID/ADR(2023 Edition): The product is not subject to RID/ADR.

IATA DGR(64th Edition): The product is not subject to IATA

IMO IMDG CODE (2020 Edition): The product is not subject to IMO IMDG CODE.
Environmental Hazards: Unknown.
Special Precautions for User: No data available.
Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

SECTION15 REGULATORY INFORMATION

Montreal Protocol:
Not listed.

Stockholm Convention:
Not listed.

Rotterdam Convention:
Not listed.

EINECS/ELINCS:
Water, Ethylene glycol, Triethylene glycol monobutyl ether, Urea, Direct black 19, Direct yellow 86 in the product are listed.

TSCA:
Water, Ethylene glycol, Triethylene glycol monobutyl ether, Urea, Direct black 19, Direct yellow 86 in the product are listed.

IECSC:
All ingredients in the product are listed.

SECTION16 OTHER INFORMATION

Preparation Date:
2023-01-01

Preparation Department:
Shanghai Research Institute of Chemical Industry Testing Co., Ltd.
Tel (Fax): +86-21-52815377/31765555

Revision:
0

Reference Standard:
GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 9th revised edition

Abbreviation and Acronyms:

CAS: Chemical Abstracts Service EC: European Commission PC-TWA: Permissible concentration-time weighted average PC-STEL: Permissible concentration-short term exposure limit TLV-CL: Threshold limit value-ceiling limit ACGIH: American Conference of Governmental Industrial Hygienists LC₅₀: Median lethal dose LD₅₀: Lethal dose, 50% EC₅₀: Effective concentration of substance that causes 50% of the maximum response OECD: Organization for Economic Cooperation and Development US-EPA: U.S. Environmental Protection Agency MARPOL: International Convention for the Prevention of Pollution from Ships IBC Code: International Code for the Construction and Equipment of Ships Carrying ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road RID: Regulations concerning the International Carriage of Dangerous Goods by Rail IMO IMDG CODE: International Maritime Organization International Maritime Dangerous Goods Code IATA DGR: International Air Transport Association Dangerous Goods Regulations EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances TSCA: Toxic Substances Control Act IECSC: Inventory of Existing Chemical Substances in China

Other Information:

This SDS is compiled based on the information such as ingredients provided by the applicant and our current knowledge. This SDS shall be used only as a guide. The users of this SDS must make independent judgments on the correctness and completeness and then decide its suitability according to the actual situation. The users should take the relevant legal responsibilities for the consequences of use.

END OF REPORT