**Safety Data Sheet**

HCS-2012 APPENDIX D TO §1910.1200 Regulation (EC) No 1907/2006 (REACH),

Annex II (COMMISSION REGULATION (EU) No 453/2010)

**Applicant Zhongshan Megajet Digital Technology Co., Ltd**

**Address** Room 405,Building 5,V Park, No.1 Shiji West Road,Gangkou Town,Zhongshan City, Guangdong Province, China

**Attn.:** Jesse

**Sample**

**Description:**

Digital inkjet print

**Model No.:** /

**Australian distributor:**

Raw Tech Solutions Pty Ltd

7 / 5-7 Lone Pine Place Smeaton Grange NSW 2567 Australia

0407 542 556

[www.rawtechsolutions.com](https://linkprotect.cudasvc.com/url?a=http://www.rawtechsolutions.com&c=E,1,0qPVyKEP3vG0n0lQ3L9AqDXBBQCYZ0V1ns92tdMEHXJHy34hoE03s8_zjET2p1FFRWcYXCJ8jMhtUJ9dpr7lCexGmeV-DeDwVpS_bxrZxbk,&typo=1" \t "C:/Users/Jesse/AppData/Roaming/Foxmail7/Temp-15260-20220616140505/_blank)

[sales@rawtechsolutions.com](mailto:sales@rawtechsolutions.com" \t "C:/Users/Jesse/AppData/Roaming/Foxmail7/Temp-15260-20220616140505/_blank)

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examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

**Zhongshan Megajet Digital Technology Co., Ltd**

Room 405,Building 5,V Park, No.1 Shiji West Road,Gangkou Town,Zhongshan City, Guangdong Province, China

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

|  |  |  |
| --- | --- | --- |
| **1.1.** | **Product identifier** |  |
|  | Product Name: Brand  Model No.:  REACH registration No.: | Digital Textile Pigment Ink  TP0BK  Not applicable  Not applicable |

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

Recommended Use: Textile Printing

Uses advised against: No information available

**1.3. Details of the supplier of the safety data sheet**

Company: Zhongshan Megajet Digital Technology Co., Ltd Address: Room 405,Building 5,V Park, No.1 Shiji West Road,Gangkou Town,Zhongshan City, Guangdong Province, China

**1.4. Emergency telephone number**

Emergency Phone: 0086-13631196539

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified as hazardous.

**Classification according to Directive 67/548/EEC or 1999/45/EC**

Not classified as hazardous.

**2.2. Label elements**

Symbols/Pictograms Not applicable.

Signal word Not applicable.

Hazard Statements Not applicable. Precautionary Statements Not applicable.

**2.3. Other hazards**

No information available

**SECTION 3: Composition/information on ingredients**



**3.1. Mixture**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chemical Name** | **EC No** | **CAS No** | **Weight-%** | **Classification according to**  **Directive 67/548/EEC or**  **1999/45/EC** | **Classification according to**  **Regulation (EC) No.**  **1272/2008 [CLP]** |
| Diglycol | 203-872-2 | 111-46-6 | 1-9 | Xn; R20/22 | Acute Tox. 4 (H302); STOT RE 2;  H302, H373 |
| Poly(ethylene glycol) | -- | 25322-68-3 | 4-20 | Not classified | Not classified |
| Glycerol | 200-289-5 | 56-81-5 | 10-30 | Not classified | Not classified |
| 2-Pyrrolidone | 210-483-1 | 616-45-5 | 1-3 | Xi R36 | Eye Irrit. 2 (H319) |
| Diethylene glycol monobutyl ether | 203-961-6 | 112-34-5 | 1-3 | Xi R36 |
| Carbon black | 215-609-9 | 1333-86-4 | 3-6 | Not classified | Not classified |
| Water | 231-791-2 | 7732-18-5 | 40-60 | Not classified | Not classified |

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General advice**

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin Contact**

Wash off with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

**Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion**

Rinse mouth. Do not induce vomiting. Get medical advice/attention.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media: Carbon dioxide (CO2). Alcohol resistant foam. Water spray (fog).

Dry chemical.

Unsuitable extinguishing media :

No information available

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating and toxic gases and vapors: oxides od carbon, etc.

**5.3. Advice for firefighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas

Ensure adequate ventilation, especially in confined areas

Remove all sources of ignition

Avoid contact with skin, eyes and inhalation of vapors

Use personal protection recommended in Section 8

**6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so

Do not allow into any sewer, on the ground or into any body of water

**6.3. Methods and material for containment and cleaning up**

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

**6.4. Reference to other sections**

See Section 7 for more information See section 8 for more information See section 13 for more information

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice

Ensure adequate ventilation, especially in confined areas

Avoid contact with skin, eyes or clothing

Avoid breathing vapors or mists

Do not eat, drink or smoke when using this product

Wash thoroughly after handling

Use personal protection recommended in Section 8

**7.2. Conditions for safe storage, including any incompatibilities**

Keep containers tightly closed in a dry, cool and well-ventilated place

Keep away from heat

Keep locked up and out of reach of children

Keep away from food, drink and animal feeding stuffs

Store in accordance with local regulations

**7.3. Specific end use(s)**

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

Ingredients with limit values that require monitoring at the workplace:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Chemical**  **Name** | **Australia** | **Austria** | **Belgium** | **Denmark** | **European**  **Union** |
| Diglycol | - | **-** | **-** | **-** | **-** |
| Poly(ethylene glycol) | - | **-** | **-** | **-** | **-** |
| Glycerol | 10 mg/m3 | **-** | **-** | **-** | **-** |
| 2-Pyrrolidone | - | **-** | **-** | **-** | **-** |
| Diethylene glycol  monobutyl ether | - | **-** | **-** | **-** | **-** |
| Pigment | - | **-** | **-** | **-** | **-** |
| Water | - | **-** | **-** | **-** | **-** |

**Derived No Effect Level (DNEL)**

No information available.

**Predicted No Effect Concentration (PNEC)**

No information available.

**8.2. Exposure controls**

**Engineering Controls**

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/face protection:** Wear safety glasses with side shields (or goggles)

**Hand Protection:** Wear protective gloves

**Skin and body protection:**

Suitable protective clothing

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment

**8.3. Environmental exposure controls**

Do not allow into any sewer, on the ground or into any body of water

**SECTION 9: Physical and Chemical Properties**

**9.1. Information on basic physical and chemical properties**

Appearance Liquid

Color Black

Odor No information available Odor pH 7.0 to 10.0

No information available Melting point/freezing point Boiling point / boiling range 105℃

Flash point 67℃ (Closed up)

Evaporation rate No information available Flammability Not flammable Flammability Limit in Air No information available Vapor Pressure No information available Vapor density No information available Density No information available Relative density No information available Bulk density No information available Specific gravity No information available Water solubility No information available Partition coefficient

Autoignition temperature No information available Decomposition temperature No information available Viscosity 3.0cP to 4.0 cP

Explosive properties Not an explosive Oxidizing Oxidizing properties No information available

**9.2. Other information**

No information available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

Strong heating.

**10.5. Incompatible materials**

Strong oxidizing agents. Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

Carbon monoxide

Carbon dioxide (CO2)

Other incomplete combustion products

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Oral LD50** | **Dermal LD50** | **Inhalation LC50** |
| Diglycol | 12565 mg/kg bw(rat) | 11890 mg/kg bw(rabbit) | - |
| Poly(ethylene glycol) | 30200 mg/kg bw(rat) | >20000 mg/kg bw(rabbit) | - |

|  |  |  |  |
| --- | --- | --- | --- |
| Diethylene glycol monobutyl ether | 7291 mg/kg bw(rat) | 2764 mg/kg bw(rabbit) | - |

**Skin corrosion/irritation**

Non-irritating to the skin.

**Serious eye damage/eye irritation**

No eye irritation.

**Sensitization**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Reproductive toxicity**

No information available.

**STOT - single exposure**

No information available.

**STOT - repeated exposure**

No information available.

**Aspiration hazard**

No information available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Daphnia magna (Water**  **flea) EC50** | **Carassius auratus**  **(goldfish) LC50** | **Pimephales promelas**  **(fathead minnow) LC50** |
| Diglycol  (CAS #: 111-46-6) | > 10000mg/l: 24h | 5000 mg/l: 24h | 75200 mg/l: 24h |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical Name** | **Daphnia magna (Water**  **flea) EC50** | **Fish (Lepomis**  **macrochirus) LC50** | **Algae (Desmodesmus**  **subspicatus** |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | **(Scenedesmus**  **subspicatus)) LC50** |
| Diethylene glycol monobutyl ether | > 100mg/l: 48h | 1300 mg/l: 96h | > 100mg/l: 96h |

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

|  |  |
| --- | --- |
| **Chemical Name** | **Bioconcentration factor (BCF)** |
| Diglycol  (CAS #: 111-46-6) | 100 |

**12.4. Mobility in soil**

No information available

**12.5. Results of PBT and vPvB assessment**

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

**12.6. Other adverse effects**

No information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste from residues/unused products:

Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal.

**SECTION 14: Transport information**

|  |  |  |
| --- | --- | --- |
| **14.1.** | **UN Number** | Not regulated |
| **14.2.** | **Proper shipping name** | Not regulated |
| **14.3.** | **Hazard Class** | Not regulated |
| **14.4.** | **Packing Group** | Not regulated |
| **14.5.** | **Environmental hazards** | Not marine pollutant |

**14.6. Special precautions** No information available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15: Regulatory information**

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

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

**International Inventories**

No information available

**15.2. Chemical safety assessment**

No information available

**SECTION 16: Other information**

**This material safety data sheet complies with the requirements of Regulation (EC) No.**

**1907/2006**

Key or legend to abbreviations and acronyms used in the safety data sheet

**TWA** - TWA (time-weighted average) **STEL** - STEL (Short Term Exposure Limit) **Ceiling** - Maximum limit value

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical

Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**Full text of H-Statements referred to under section 3**

Acute Tox. Acute toxicity

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure. STOT RE Specific target organ toxicity - repeated exposure

H319 Cause serious eye irritation

**Full text of R-phrases referred to under sections 2 and 3**

Xn Harmful

R22 Harmful if swallowed. Xi Irritating to eyes

R36 Irritating to eyes

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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