

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product Name: AN-B0241K/C/M/Y-V7

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

Identified use(s): Brother HL-3140CW/3142CW/3150CDW/3152CDW/3170CDW/3172CDW, MFC-9130CW/9140CDN/9330CDW/9340CDW, DCP-9020CDW

The cartridge should be used as supplied by Aster and for use in the products stated. Information provided on this SDS is only consistent with the use specified by Aster.

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer:

Jiangxi YiBo E-TECH Co., Ltd  
Feiyu avenue No.756,Xinyu high technology industry area,  
Jiangxi province, 338004 China  
Telephone: +86 (0)790 7131699

#### Aster Graphics Company Limited

No. A22-23, Bld. D1, Phase VIII, New Town, Agile Garden  
Sanxiang, Zhongshan, Guangdong  
528463 China  
Telephone: +86 (0)760 86331988

#### E-Mail (competent person):

EU: [europa@goaster.com](mailto:europa@goaster.com)  
US: [usasales@goaster.com](mailto:usasales@goaster.com)

### 1.4 Emergency telephone number

#### Emergency Phone No. (24 hours)

CHEMTREC  
EU: Tel +31 77 737 0091  
US: Tel (562) 404-9315

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture EU Classification:

Not classified as hazardous according to EU Directive 1272/2008/EC.

#### Australia Classification:

Not classified as hazardous according to the criteria of NOHSC.

### 2.2 Label elements

Label elements according to EU Directive 1272/2008/EC: None

### 2.3 Other hazards

None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3 Mixtures

Styrene-acrylate Toner (Mixture).

| Chemical Name              | CAS No.      | EC No           | %W/W    | EU Hazard Symbols | EU Hazard Symbols |
|----------------------------|--------------|-----------------|---------|-------------------|-------------------|
| Styrene-acrylate Copolymer | Confidential | not applicable  | 85~90   | Not classified    | Not classified    |
| Pigments                   | Confidential | not applicable  | 4~7     | Not classified    | Not classified    |
| Paraffin Wax               | Confidential | not applicable. | 2~4     | Not classified    | Not classified    |
| Fatty Acid Ester           | Confidential | not applicable. | 2.5~4   | Not classified    | Not classified    |
| Silicon Dioxide            | Confidential | not applicable. | 0.5~4.5 | Not classified    | Not classified    |

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

Inhalation:

Obtain immediate medical attention. In case of accident by inhalation remove casualty to fresh air and keep at rest.

Skin Contact:

Remove contaminated clothing immediately and wash affected skin with plenty of water or soap and water.

Eye Contact:

Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.

Ingestion:

Obtain medical attention. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.

#### 4.2 Most important symptoms and effects, both acute and delayed

If symptoms persist, obtain medical attention.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable Extinguishing Media:

Extinguish preferably with dry chemical, Carbon dioxide, Water spray, Foam.

Unsuitable Extinguishing Media:

Do not use water jet.

#### 5.2 Special hazards arising from the substance or mixture

May form explosible dust clouds in air.

#### 5.3 Advice for fire-fighters

Do not use high-pressure water in order to prevent creating a dust cloud and spreading fire dust. Use appropriate respirator for carbon monoxide and carbon dioxide. Wear positive pressure self-contained breathing apparatus (SCBA) during the attack phase of firefighting operations and during cleanup in enclosed or poorly ventilated areas immediately after a fire. Personnel not having suitable respiratory protection must leave the area to prevent significant exposure to toxic combustion gases from any source.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures  
Avoid generation of dust. Do not breathe dust.  
A suitable dust mask or dust respirator with filter type A/P may be appropriate.
- 6.2 Environmental precautions  
Prevent substance entering sewers. Washings must be prevented from entering surface water drains.
- 6.3 Methods and material for containment and cleaning up  
Sweep the spilt toner or remove it with a vacuum cleaner and transfer into a sealed container carefully. Sweep slowly to minimize generation of dust during clean-up. If a vacuum cleaner is used, the motor must be rated as dust explosion-proof.  
  
Potential for very fine particles to be taken into the vacuum only to be passed back into the environment due to pore size in the bag or filter.  
DISPOSAL CONSIDERATIONS - See Section: 13.
- 6.4 Reference to other sections  
See Section: 8.

## SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling  
Keep out of the reach of children. Avoid dust generation. Avoid inhalation of high concentrations of dust. Avoid contact with eyes.
- 7.2 Conditions for safe storage, including any incompatibilities  
Keep out of the reach of children. Keep away from oxidizing agents.
- 7.3 Specific end use(s)  
These products are black toner in a cartridge for Brother laser printers, multifunction devices and fax receivers. The cartridge should be used as supplied by Aster and for use in the products stated.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Occupational Exposure Limits:

| Substance                   | CAS No.      | OSHA PEL  | ACGIH TLV               | EU IOELV |
|-----------------------------|--------------|---|-------------------------|----------|
| Pigments                    | Confidential | 3.5 mg/m <sup>3</sup> TWA                             | 3 mg/m <sup>3</sup> TWA | None.    |
| Paraffin Wax                | 8002-74-2    | None.   | 2 mg/m <sup>3</sup> TWA | None.    |
| Silicon Dioxide (amorphous) | 7631-86-9    | 20mppcf<br>80 (mg/m <sup>3</sup> )/% SiO <sub>2</sub> | None.                   | None.    |
| Silicon Dioxide             | 112945-52-5  | 20mppcf<br>80 (mg/m <sup>3</sup> )/% SiO <sub>2</sub> | None.                   | None.    |

Additional Information:

USA OSHA PEL (TWA): 15 mg/m<sup>3</sup> (Total Dust) 5mg/m<sup>3</sup> (Respirable Fraction).

ACGIH TLV (TWA): 10 mg/m<sup>3</sup> (Inhalable particles) 3 mg/m<sup>3</sup> (Respirable particles).

- 8.2 Exposure controls  
Appropriate engineering controls  
Not normally required.  
Good general ventilation should be sufficient under normal use.

|                                 |  |
|---------------------------------|--|
| Personal Protection             | Not normally required. For use other than in normal operating procedures (such as in the event of large spill), the following should be applied: |
| Eye/face protection             | Goggles.   |
| Skin protection                 | Protective gloves.   |
| Respiratory protection          | Dust mask. (Large spillages: Respirator).  |
| Other:                          | Not applicable.  |
| Environmental Exposure Controls | Avoid release to the environment.  |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|  |   |
|--|---|
| Appearance (20 °C):                            | Solid, Powder.                          |
| Color:   | Black Cyan Magenta Yellow               |
| Odor:  | Odorless.                               |
| Boiling point/boiling range (°C):              | Not applicable.                         |
| Melting point (°C) / Freezing point (°C):      | No data.                                |
| Vapor pressure (Pascal):                       | Not applicable.                         |
| pH (Value):                                    | Not applicable.                         |
| Viscosity (mPa. s):                            | Not applicable.                         |
| Flash point (°C):                              | Not applicable.                         |
| Explosive limit ranges:                        | No data.                                |
| Explosive properties:                          | May form explosible dust clouds in air. |
| Specific Gravity:                              | No data.                                |
| Vapor density (Air=1):                         | Not applicable.                         |
| Partition coefficient (n-Octanol/water):       | No data.                                |
| Relative Evaporation Rate (Butyl Acetate = 1): | Not applicable.                         |
| Oxidising properties:                          | No data.                                |
| Solubility (Water):                            | Negligible.                             |
| Solubility (Other):                            | No data.                                |

### 9.2 Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

|  |   |
|--|---|
| 10.1 Reactivity                            | None anticipated.   |
| 10.2 Chemical stability                    | Stable.   |
| 10.3 Possibility of hazardous reactions    | None.   |
| 10.4 Conditions to avoid                   | Keep at temperature not exceeding: 200°C. Avoid friction, sparks, or other means of ignition. |
| 10.5 Incompatible materials                | Strong oxidising agents.  |
| 10.6 Hazardous Decomposition<br>Product(s) | Contains: Carbon monoxide, Carbon dioxide and Nitrogen oxides.                                |

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

### 11.2 Information on other hazards

Based on the available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

## SECTION 12: ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

|      |                                    |   |
|------|------------------------------------|---|
| 12.1 | Toxicity                           | Information not available   |
| 12.2 | Persistence and degradability      | Information not available   |
| 12.3 | Bioaccumulative potential          | Information not available   |
| 12.4 | Mobility in soil                   | Information not available   |
| 12.5 | Results of PBT and vPvB assessment | The substance does not have persistence, bioaccumulation and toxicity (pBT) properties and is not very persistent and very bioaccumulative. (vPyB)                              |
| 12.6 | Endocrine disrupting properties    | Based on the available data, the substance is not listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation. |
| 12.7 | Other adverse effects              | Information not available   |

## SECTION 13: DISPOSAL CONSIDERATIONS

|    |                         |  |
|----|-------------------------|--|
| 13 | Waste treatment methods | Do not put toner or toner cartridges into a fire, this can cause fire to spread with the risk of causing burn injuries. Shred toner cartridges in a dust/explosion controlled environment. Finely dispersed particles may form explosive mixtures in the air. Dispose of in compliance with Federal, State and local regulations |
|----|-------------------------|--|

## SECTION 14: TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of international Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the international Maritime Dangerous Goods Code (IMDG), and of the international Air Transport Association (IATA) regulations.

|      |   |                          |
|------|---|--------------------------|
| 14.1 | UN number or ID number                                  | not applicable           |
| 14.2 | UN proper shipping name                                 | not applicable           |
| 14.3 | Transport hazard class(es)                              | not applicable           |
| 14.4 | Packing Group   | not applicable           |
| 14.5 | Environmental hazards                                   | not applicable           |
| 14.6 | Special precautions for user                            | not applicable           |
| 14.7 | Maritime transport in bulk according to IMO instruments | Information not relevant |

## SECTION 15: REGULATORY INFORMATION

|      |  |  |
|------|--|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture | EU: Not classified as dangerous for supply/use. (1272/2008/EC) Hazard Symbol, Risk Phrases, Safety Phrases: None assigned.<br>USA: All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules).<br>WHMIS: Not applicable. (Manufactured article) |
| 15.2 | Chemical Safety Assessment   | No.  |

## SECTION 16: OTHER INFORMATION

|   |   |
|---|---|
| Hazard Symbol:  | None.   |
| Risk Phrases:   | None.   |
| The following sections contain revisions or new statements: | All Sections.   |
| Additional information:                                     | The information relates only to this product. It may not be valid, if used in combination with any other materials or in any other process, and it is based on our best knowledge as of the date of preparation (revision).   |
| References:   | <p>U.S. 29CFR Part 1910<br/> ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices</p> <p>EU Directive 91/322/EEC and 2000/39/EC<br/> IARC Monographs on the Evaluation Carcinogenic Risks to Humans<br/> World Health Organization<br/> NTP 11th Report on Carcinogens</p>  |
| Abbreviations:  | <p>ACGIH: American Conference of Governmental Industrial Hygienists</p> <p>ADR: European Agreement concerning the International carriage of Dangerous goods by Road (EU)</p> <p>DOT: Department Of Transportation (US)</p> <p>EINECS: European Inventory of Existing Commercial Chemical Substances HCS: Hazard Communication Standard (US)</p> <p>IARC: International Agency for Research on Cancer IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods IOELV: Indicative Occupational Exposure Limit Value</p> <p>NOHSC: National Occupational Health and Safety Commission</p> <p>(Australia)NTP: National Toxicology Program (US)</p> <p>OSHA: Occupational Safety and Health Administration (US) PEL: Permissible Exposure Limit</p> <p>RID: Regulations concerning the International carriage of goods by Rail (EU) TLV: Threshold Limit Value (ACGIH)</p> <p>TSCA: Toxic Substances Control Act (US)</p> <p>WHMIS: Workplace Hazardous Material Information System (Canada)</p> |