SAFETY DATA SHEETS

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Sixth revised edition

1. Identification

1.1 GHS Product identifier

Product name: CFS-A43, Pigment Dispersing Agent

1.2 Other means of identification

Product number: CFS-A43
Other names: -

1.3 Recommended use of the chemical and restrictions on use

Identified uses: Only for Industrial Use
Uses advised against: no data available

1.4 Supplier's details

Company: Hubei Co-Formula Material Tech Co., Ltd.
Address: C1420-1421, Longyang Avenue, Wuhan 430056, Hubei, China
Telephone: +86-27-84459282
Fax: +86-27-84459282

1.5 Emergency phone number

Emergency phone number: +86-27-84459282
Service hours: Monday to Friday, 9am-5pm (Standard time zone: UTC/GMT +8 hours).

2. Hazard identification

2.1 Classification of the substance or mixture

no data available

2.2 GHS label elements, including precautionary statements

Pictogram(s): no data available
Signal word: no data available
Hazard statement(s): no data available
Precautionary statement(s): Prevention - no data available
Response - no data available
Storage - no data available
Disposal - no data available

2.3 Other hazards which do not result in classification

no data available

3. Composition/information on ingredients

3.1 Substances
### 4. First-aid measures

#### 4.1 Description of necessary first-aid measures

**General advice**

Medical attention is required. Consult a doctor. Show this safety data sheet (SDS) to the doctor in attendance.

**If inhaled**

Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.

**Following skin contact**

Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.

**Following eye contact**

Rinse with pure water for at least 15 minutes. Consult a doctor.

**Following ingestion**

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

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

No data available

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

### 5. Fire-fighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media**

Use dry chemical, carbon dioxide or alcohol-resistant foam.

#### 5.2 Specific hazards arising from the chemical

No data available

#### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

#### 6.2 Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

#### 6.3 Methods and materials for containment and cleaning up

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common names and synonyms</th>
<th>CAS number</th>
<th>EC number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td>Pigment Dispersing Agent</td>
<td>none</td>
<td>none</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7. Handling and storage

7.1 Precautions for safe handling
Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2 Conditions for safe storage, including any incompatibilities
Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values
no data available

8.2 Appropriate engineering controls
Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

Skin protection
Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection
If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

Thermal hazards
no data available

9. Physical and chemical properties

Physical state

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odour</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/ freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Boiling point or initial</td>
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</tr>
<tr>
<td>boiling point and boiling</td>
<td>no data available</td>
</tr>
<tr>
<td>range</td>
<td></td>
</tr>
</tbody>
</table>

Flammability
no data available

Lower and upper explosion limit / flammability limit
no data available

Flash point
no data available

Auto-ignition temperature
no data available

Decomposition temperature
no data available

pH
no data available

Kinematic viscosity
no data available

Solubility
no data available
10. Stability and reactivity

10.1 Reactivity
no data available

10.2 Chemical stability
no data available

10.3 Possibility of hazardous reactions
no data available

10.4 Conditions to avoid
no data available

10.5 Incompatible materials
no data available

10.6 Hazardous decomposition products
no data available

11. Toxicological information

Acute toxicity

- Oral: no data available
- Inhalation: no data available
- Dermal: no data available

Skin corrosion/irritation
no data available

Serious eye damage/irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available

STOT-single exposure
no data available

STOT-repeated exposure
12. **Ecological information**

12.1 **Toxicity**

- Toxicity to fish: no data available
- Toxicity to daphnia and other aquatic invertebrates: no data available
- Toxicity to algae: no data available
- Toxicity to microorganisms: no data available

12.2 **Persistence and degradability**

no data available

12.3 **Bioaccumulative potential**

no data available

12.4 **Mobility in soil**

no data available

12.5 **Other adverse effects**

no data available

13. **Disposal considerations**

13.1 **Disposal methods**

**Product**

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

**Contaminated packaging**

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14. **Transport information**

14.1 **UN Number**

ADR/RID: Not dangerous goods.  
IMDG: Not dangerous goods.  
IATA: Not dangerous goods.

14.2 **UN Proper Shipping Name**

ADR/RID: Not dangerous goods.  
IMDG: Not dangerous goods.  
IATA: Not dangerous goods.

14.3 **Transport hazard class(es)**

ADR/RID: Not dangerous goods.  
IMDG: Not dangerous goods.  
IATA: Not dangerous goods.

14.4 **Packing group, if applicable**

ADR/RID: Not dangerous goods.  
IMDG: Not dangerous goods.  
IATA: Not dangerous goods.

14.5 **Environmental hazards**

ADR/RID: No  
IMDG: No  
IATA: No
14.6 Special precautions for user
no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
no data available

15. Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

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European Inventory of Existing Commercial Chemical Substances (EINECS) | Not Listed.
EC Inventory | Not Listed.
United States Toxic Substances Control Act (TSCA) Inventory | Not Listed.
China Catalog of Hazardous chemicals 2015 | Not Listed.
New Zealand Inventory of Chemicals (NZIoC) | Not Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS) | Not Listed.
Vietnam National Chemical Inventory | Not Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC) | Not Listed.

16. Other information

Information on revision

Creation Date | Nov. 13, 2018
Revision Date | Nov. 13, 2018

Abbreviations and acronyms

- CAS: Chemical Abstracts Service
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
- IMDG: International Maritime Dangerous Goods
- IATA: International Air Transportation Association
- TWA: Time Weighted Average
- STEL: Short term exposure limit
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- EC50: Effective Concentration 50%

References

- IPCS - The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home
- IARC - International Agency for Research on Cancer, website: http://www.iarc.fr/
- CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple
- Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp
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