

## Material Safety Data Sheet

HIFIFAST YELLOW HF8G

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name	HIFIFAST YELLOW HF8G
Chemical Characterization	Azo condensation C.I. Pigment Yellow 128 C. I. No.:20037
Company	ANSHAN HIFICHEM Co., Ltd. Address: No.8, 1st Bao An Road, Teng Ao Industrial Park, Anshan 114225, P. R. China
Emergency Health/Environmental Phone	86 21 3100 7988

### 2. HAZARDS IDENTIFICATION

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

According to Regulation (EC) No 1272/2008 [CLP]

No need for classification according to GHS criteria for this product.

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards: No particular hazards known.

#### 2.2. Label elements

Globally Harmonized System, EU (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

According to Directive 67/548/EEC or 1999/45/EC

EEC Directives

The product does not require a hazard warning label in accordance with EC Directives.

#### 2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

The product is under certain conditions capable of dust explosion.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1. Substances

Chemical characterization  
C.I.PIGMENT YELLOW 128

#### 4. FIRST AID MEASURES

##### 4.1. Description of first aid measures

**Remove contaminated clothing.**

If inhaled:	If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.
On skin contact:	Wash thoroughly with soap and water.
On contact with eyes:	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
On ingestion:	Rinse mouth and then drink plenty of water.

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

Symptoms: No significant reaction of the human body to the product known.

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

Treatment

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

#### 5. FIREFIGHTING MEASURES

##### 5.1. Extinguishing media

Suitable extinguishing media	dry powder, foam
Unsuitable extinguishing media for safety reasons:	carbon dioxide
Additional information:	Avoid whirling up the material/product because of the danger of dust explosion.

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

**harmful vapours**

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

##### 5.3. Advice for firefighters

Special protective equipment	Wear a self-contained breathing apparatus.
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Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

## **6. ACCIDENTAL RELEASE MEASURES**

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

Avoid dust formation. Use personal protective clothing.

### **6.2. Environmental precautions**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with suitable appliance and dispose of.  
For large amounts: Contain with dust binding material and dispose of.  
Avoid raising dust.

### **6.4. Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

## **7. HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

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

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

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

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### 8.1. Control parameters

Components with occupational exposure limits

No occupational exposure limits known.

PNEC

freshwater:

A PNEC could not be derived as the substance showed no toxic effects in studies performed in the range of its solubility. At the present state of knowledge, no negative ecological effects are expected.

marine water:

A PNEC could not be derived as the substance showed no toxic effects in studies performed in the range of its solubility. At the present state of knowledge, no negative ecological effects are expected.

intermittent release:

A PNEC could not be derived as the substance showed no toxic effects in studies performed in the range of its solubility. At the present state of knowledge, no negative ecological effects are expected.

STP:	1 mg/l
sediment (freshwater):	No PNEC value available.
sediment (marine water):	No PNEC value available.
soil:	1 mg/kg
oral (secondary poisoning):	No PNEC oral derived, as accumulation in organisms is not to be expected.

DNEL

worker:	Long-term exposure- systemic effects, Inhalation: 3 mg/m <sup>3</sup>
consumer:	Long-term exposure- systemic effects, Inhalation: 3 mg/m <sup>3</sup>

### 8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other  
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

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Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Form :	powder
Colour :	yellow
Odour :	odourless
Odour threshold :	not determined
pH value :	approx. 7 (as suspension)
Melting point :	> 350 °C
Boiling point :	not applicable
Flash point :	Study does not need to be conducted.
Evaporation rate :	The product is a non-volatile solid.
Flammability :	not highly flammable
Lower explosion limit :	not determined
Upper explosive limit :	not determined
Ignition temperature:	> 600 °C
Vapour pressure :	not applicable
Density:	1.5 g/cm <sup>3</sup> (20 °C)
Relative Density:	No data available.
Relative vapour density (air):	The product is a non-volatile solid.
Solubility in water :	insoluble
Solubility/qualitative :	insoluble
Partitioning coefficient n-octanol/water (log Kow):	Study does not need to be conducted.
Self ignition:	not self-igniting
Test type:	Spontaneous selfignition at room-temperature.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity (dynamic) :	Study does not need to be conducted.

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Viscosity (kinematic) :	Not applicable
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
9.2. Other information	
Self heating ability:	It is not a substance capable of spontaneous heating.
Bulk density :	300 kg/m <sup>3</sup>
pKA:	Study does not need to be conducted.
Hygroscopy:	The product has not been tested.
Adsorption/water - soil:	No data available.
Volatility/water - air:	No data available.
Surface tension:	not applicable
Grain size distribution:	No data available.
Molar mass:	1,229.19 g/mol

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

Dust explosion hazard.

### 10.4. Conditions to avoid

Avoid electro-static discharge. Avoid sources of ignition.

### 10.5. Incompatible materials

Substances to avoid: strong oxidizing agents, strong bases, strong acids

### 10.6. Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity

Experimental/calculated data: LD50 rat (oral): > 5,000 mg/kg

LC50 (by inhalation): not determined

LD50 (dermal): not determined

#### Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Serious eye damage/irritation rabbit: non-irritant

#### Respiratory/Skin sensitization

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data: No data available.

#### Germ cell mutagenicity

Assessment of mutagenicity: No data available concerning mutagenic effects.

#### Carcinogenicity

Assessment of carcinogenicity: No data available concerning carcinogenic effects.

#### Reproductive toxicity

Assessment of reproduction toxicity: No data available.

#### Developmental toxicity

Assessment of teratogenicity: No data available.

#### Specific target organ toxicity (single exposure)

Remarks: No data available.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity: No data available.

Aspiration hazard not applicable

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Assessment of aquatic toxicity:	At the present state of knowledge, no negative ecological effects are expected.
Toxicity to fish:	LC50 (96 h), Fish not determined
Aquatic invertebrates:	LC50 (48 h), daphnia not determined
Aquatic plants:	EC50 (72 h), algae not determined
Microorganisms/Effect on activated sludge:	EC50 (0.5 h), bacteria not determined
Chronic toxicity to fish:	No data available.
Chronic toxicity to aquatic invertebrates:	No data available.
Assessment of terrestrial toxicity:	No data available concerning terrestrial toxicity.
Soil living organisms:	LC50 (14 d) > 1,000 mg/kg, Eisenia foetida (OECD Guideline 207, artificial soil)
The details of the toxic effect relate to the nominal concentration.	
Terrestrial plants:	No data available.
Other terrestrial non-mammals:	No data available.

### 12.2. Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Elimination information:

12 % BOD of the ThOD (28 d) (OECD Guideline 302 C) (aerobic, activated sludge, domestic, nonadapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment of stability in water:	No data available.
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### 12.3. Bioaccumulative potential

Assessment bioaccumulation potential:	The product has not been tested.
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Bioaccumulation potential:	No data available.
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#### 12.4. Mobility in soil

Assessment transport between environmental compartments:

No data available.

#### 12.5. Results of PBT and vPvB assessment:

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

#### 12.6. Other adverse effects

The substance is not listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

Additional Information

Adsorbable organically-bound halogen (AOX):

The product contains according to the formulation, organically bound halogen. It can increase the AOX-value in the water purification plants overflow or if it reaches waters.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

### 14. TRANSPORT INFORMATION

Land transport

ADR	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

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RID	Not classified as a dangerous good under transport regulations
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UN number:	Not applicable
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UN proper shipping name:	Not applicable
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Transport hazard class(es):	Not applicable
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Packing group:	Not applicable
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Environmental hazards:	Not applicable
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Special precautions for user	None known
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#### Inland waterway transport

ADN	Not classified as a dangerous good under transport regulations
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UN number:	Not applicable
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UN proper shipping name:	Not applicable
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Transport hazard class(es):	Not applicable
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Packing group:	Not applicable
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Environmental hazards:	Not applicable
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Special precautions for user	None known
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Transport in inland waterway vessel:	Not evaluated
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#### Sea transport

IMDG	Not classified as a dangerous good under transport regulations
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UN number:	Not applicable
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UN proper shipping name:	Not applicable
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Transport hazard class(es):	Not applicable
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Packing group:	Not applicable
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Environmental hazards:	Not applicable
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Special precautions for user	None known
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#### Air transport

IATA/ICAO	Not classified as a dangerous good under transport regulations
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UN number:	Not applicable
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UN proper shipping name:	Not applicable
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Transport hazard class(es):	Not applicable
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Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

**14.1. UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

**14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

**14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

**14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

**14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

**14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

**15.2. Chemical safety assessment**

Chemical Safety Assessment not yet performed due to registration timelines

## 16. OTHER INFORMATION

Observe national and local legal requirements

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Change to the last edition

3rd edition of the MSDS for this product (25th July, 2014)