

## Material Safety Data Sheet

HIFIFAST RED HF1B

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

Product Name	HIFIFAST RED HF1B
Chemical Characterization	Diazo C.I. Pigment Red 214 C. I. No.:200660
Company	ANSHAN HIFICHEM Co., Ltd. Address: No.8, 1st Bao An Road, TengAo 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

Classification according CLP regulation (Regulation (EC) No. 1272/2008,as amended)

The product is not classified as hazardous according to the CLP Regulation.

#### 2.2. Label elements

Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

The product does not require classification and labelling as hazardous according to CLP/GHS.

#### 2.3. Other hazards

According to the present state of knowledge provided this product is handled correctly,there is no danger to humans or the environment

Organic substances in powder form may have the potential to cause dust explosions.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1. Mixtures

Chemical characterization  
C.I.PIGMENT RED 214

### 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

General information	Seek medical assistance if discomfort continues
After inhalation	Immediately seek fresh air after inhaling of dust, vapour or aerosol.
After contact with skin	After contact with skin, wash immediately with plenty of water and soap.
After contact with eyes	Immediately rinse eyes with running water.
After ingestion	If swallowed seek medical advice immediately (treat symptomatically).

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

Symptoms	No symptoms known currently.
Hazards	No hazards known at this time.

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

Treatment	Treat symptomatically.
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### 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media	all
Extinguishing media that must not be used for safety reasons	No restrictions

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

carbon oxides  
hydrogen chloride  
nitrogen oxides

#### 5.3. Advice for firefighters

Special protective equipment for firefighting	Use self-contained breathing apparatus
Further information	Cool container and metallic parts with a water spray jet

### 6. ACCIDENTAL RELEASE MEASURES

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

Wear suitable personal protective equipment.

## **6.2. Environmental precautions**

Do not allow entry to drains, water courses or soil

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

Take up mechanically

Avoid dust formation and electrical charging (sparking) because dust explosion might occur.

When picked up, treat material as prescribed under heading "Disposal".

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

### **Additional information**

Must not be released into sewers, drains or wells.

Take up as such and consider recycling.

## **7. HANDLING AND STORAGE**

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

#### **Advice on safe handling**

Take precautionary measures against static discharges.

Keep container tightly closed.

Ensure efficient exhaust ventilation when using this product

#### **Hygiene measures**

This substance is classified as non-hazardous. However the usual precautions for handling chemicals must be observed to avoid contact with the skin, eyes and respiratory tract. In case of contact with the product, wash the eye immediately with running water and the skin with water and soap.

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

Organic products which are intentionally or unintentionally in powdered form have, in principle, the possibility of creating a dust explosion hazard

Take precautionary measures against static discharges.

Avoid formation of dust.

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

Further information on storage conditions

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

### 7.3. Specific end use(s)

No further recommendations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

#### Exposure limit values

Exposure limit values are not available.

#### DNEL/DMEL values

DNEL/DMEL values are not available.

#### PNEC values

PNEC values are not available.

### 8.2. Exposure controls

General protective measures

Observe the usual precautions for handling chemicals.

Hand protection :	Nitrile rubber gloves. Minimum breakthrough time / gloves : 60 min
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Eye protection :	Yes
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Body protection :	working clothes
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state :	solid
Form :	powder
Colour :	red
Odour :	not specified
pH value :	(20 °C) Method : of an aqueous suspension
pH value :	7 (20 °C, 100 g/l) Method : of an aqueous suspension
Melting point :	No melting point up to the decomposition temperature.
Boiling point :	( 1.013 hPa) not determined

Flash point : Not applicable  
Evaporation rate : not tested.

**Flammability**

Lower explosion limit : not tested.  
Upper explosive limit : not tested.  
Combustion number : BZ2 Short flaring up without spreading ( 20 °C)  
Combustion number : BZ2 Short flaring up without spreading ( 100 °C)  
Vapour pressure : not available  
Vapour density relative to air : not available  
Solubility in water : (20 °C) insoluble  
Solubility in ... fat  
not tested.  
Octanol/water partition  
coefficient (log Pow) : unknown  
Ignition temperature : not tested.  
Self-ignition temperature : not tested.  
Thermal decomposition : > 350 °C  
Method : isoperibolic decomposition test  
Viscosity (dynamic) : Not applicable  
Oxidizing properties : not tested.

**9.2. Other information**

Density : 1,57 g/cm<sup>3</sup>  
Bulk density : 189 kg/m<sup>3</sup>

**10. STABILITY AND REACTIVITY****10.1. Reactivity**

See section 10.3. "Possibility of hazardous reactions"

**10.2. Chemical stability**

Stable.

**10.3. Possibility of hazardous reactions**

When handled and stored appropriately no dangerous reactions are known

#### **10.4. Conditions to avoid**

None known.

#### **10.5. Incompatible materials**

not known

#### **10.6. Hazardous decomposition products**

When used and handled as intended, none.

### **11. TOXICOLOGICAL INFORMATION**

#### **11.1. Information on toxicological effects Information related to the product itself:**

Information related to the product itself:

Acute oral toxicity :	LD50 > 2.000 mg/kg (rat) Method : OECD 423
Acute dermal toxicity :	not tested.
Acute inhalation toxicity :	not tested.
Irritant effect on skin :	non-irritant (rabbit) Method : OECD 404 * 1981 dermal irritation / corrosion
Irritant effect on eyes :	non-irritant (rabbit) Method : OECD 405 * 1987 eye irritation / corrosion
Sensitization :	non-sensitizing (mouse) Method : OECD 429
Repeated dose toxicity:	not tested.
Genetic toxicity in vitro :	Test type : Ames test Test system : Strains of Salmonella typhimurium. Metabolic activation : with and without Result : Negative with and without metabolic activation Method : OECD 471. 1983
Assessment of mutagenicity :	not tested.
Assessment of carcinogenicity :	not tested.
Assessment of toxicity to reproduction :	not tested.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Information related to the product itself:

Fish toxicity :	not tested.
Daphnia toxicity :	EC50 > 100 mg/l (48 h, Daphnia magna) Method : OECD 202 The product was tested above its maximum solubility.
Algae toxicity :	not tested.
Bacteria toxicity :	not tested.

### 12.2. Persistence and degradability

Information related to the product itself:

Biodegradability :	Not applicable due to insolubility in water. This product does not come into contact with the effluent when it is used for its purpose, otherwise it can be removed by filtration operations.
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### 12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation:	not tested.
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### 12.4. Mobility in soil

Information related to the product itself:

Behaviour in environmental compartments	No known data.
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### 12.5. Results of PBT and vPvB assessment Information related to the product itself:

No data available.

### 12.6. Other adverse effects

Information related to the product itself:

#### Additional ecotoxicological remarks

No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Product

May be incinerated if local official regulations are observed.

#### Uncleaned packaging

Consider recycling.

#### Composition

C; Cl; H; N; O

## 14. TRANSPORT INFORMATION

### Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

### 14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

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

(International Bulk Chemicals Code)

No transport as bulk according IBC - Code.

## 15. REGULATORY INFORMATION

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

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.



### **15.2. Chemical safety assessment**

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

## **16. OTHER INFORMATION**

Observe national and local legal requirements

Disclaimer

The information contained herein is based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to such data or information. The user is responsible for determining whether the product is suitable for its intended conditions of use.

Change to the last edition

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