

**Material Safety Data Sheet**

HIFIFAST RED HFBY

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

Product Name	HIFIFAST RED HFBY
Chemical Characterization	Disazo Condensation C.I. Pigment Red 144 C. I. No.:20735
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****Dust explosion hazard.**

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. Substances**Chemical characterization  
C.I.PIGMENT RED 144

#### 4. FIRST AID MEASURES

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

General information	Seek medical assistance if discomfort continues
After inhalation	Remove the casualty into fresh air and keep him calm.
After contact with skin	In case of contact with skin, clean with soap and water.
After contact with eyes	Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.
After ingestion	If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

##### 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	water spray jet foam
Extinguishing media that must not be used for safety reasons	Full water jet carbon dioxide dry powder

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

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen chloride (HCl)

##### 5.3. Advice for firefighters

Special protective equipment for firefighting	Use self-contained breathing apparatus
Further information	Wear protective equipment.

## **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**

Information regarding Safe handling, see chapter 7.

## **7. HANDLING AND STORAGE**

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

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

When used and handled appropriately no special measures are needed

Avoid dust formation.

#### **Hygiene measures**

Wash hands before breaks and after work.

Use barrier skin cream.

Remove soiled or soaked clothing immediately and clean thoroughly before using again.

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

Take precautionary measures against build-up of electrostatic charges, e.g. earthing during loading and off-loading operations.

Keep away from sources of ignition

Dust can form an explosive mixture with air.

Dust explosion class : ST1 Capable of dust explosion

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

Further information on storage conditions

Keep container dry

## **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**

### **Appropriate engineering controls**

Local ventilation recommended - mechanical ventilation may be used.

### **General protective measures**

Observe the usual precautions for handling chemicals.

Respiratory protection :	Wear dust mask when handling large quantities
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Hand protection :	Nitrile rubber gloves. Minimum breakthrough time / gloves : 60 min
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Eye protection :	safety glasses
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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
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Form :	powder
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Colour :	red
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Odour :	not specified
pH value :	5 - 8,5
Melting point :	No melting point up to the decomposition temperature.
Boiling point :	not determined
Flash point :	Not applicable
Evaporation rate :	not tested.

**Flammability**

Lower explosion limit :	not tested.
Upper explosive limit :	not tested.
Combustion number :	not tested.
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) :	not tested.
Ignition temperature :	not tested.
Self-ignition temperature :	not tested.
Thermal decomposition :	> 200
Viscosity (dynamic) :	Not applicable
Oxidizing properties :	not tested.

**9.2. Other information**

Density :	1,54 g/cm <sup>3</sup>
Bulk density :	150 - 250 kg/m <sup>3</sup>
Further information	No incompatible substance known.

**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**

Risk of dust explosions.

**10.4. Conditions to avoid****ignition**

Keep away from heat, sparks, open flames, and other sources of ignition.

**10.5. Incompatible materials**

not known

**10.6. Hazardous decomposition products**

When handled and stored appropriately, no dangerous decomposition products are known

**11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Acute oral toxicity :	LD50 > 2.000 mg/kg (rat)
Acute dermal toxicity :	LD50 > 5.000 mg/kg (rabbit)
Acute inhalation toxicity :	not tested.
Irritant effect on skin :	non-irritant (rabbit)
Irritant effect on eyes :	non-irritant (rabbit eye)
Sensitization :	non-sensitizing    Method : OECD 429
Repeated dose toxicity:	not tested.
Genetic toxicity in vitro :	Test type : PRIVAL Modification of AMES Test For Azo Dyes Concentration : 3 - 5000 Metabolic activation : with and without Result : Negative with and without metabolic activation Method : OECD 471
Assessment of mutagenicity :	not tested.
Assessment of carcinogenicity :	not tested.
Assessment of toxicity to reproduction :	not tested.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Fish toxicity :	LC50 > 1.000 mg/l (48 h, zebra fish)
Daphnia toxicity :	not tested.
Algae toxicity :	not tested.
Bacteria toxicity :	not tested.

### 12.2. Persistence and degradability

Biodegradability :	< 10 % Slightly biodegradable
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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

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

Product is insoluble in water

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Product

In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority

**Uncleaned packaging**

Packaging that cannot be cleaned should be disposed of as product waste

**14. TRANSPORT INFORMATION****Section 14.1. to 14.5.**

ADR	not restricted
ADNR	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**

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)