

## Material Safety Data Sheet

HIFIFAST Carmine HF7B

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

Product Name	HIFIFAST Carmine HF7B
Chemical Characterization	Naphthol AS C.I. Pigment Red 146 C. I. No.:12485
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

Classification according EC Directive (67/548/EEC or 1999/45/EC, as amended)

Category of danger/Category  
Hazard symbol  
R - phrases

#### 2.2. Label elements

Labelling in accordance with EC-Directives (67/548/EEC or 1999/45/EC, as amended)

hazard warning labelling not compulsory

#### 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  
Potential dust explosion hazard.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1. Mixtures

Chemical characterization  
C.I.PIGMENT RED 146

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

General information	Get medical advice/ attention if you feel unwell.
After inhalation	Remove to fresh air
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 special measures necessary.

### 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	High volume water jet carbon dioxide(CO <sub>2</sub> ) 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>)

### 5.3. Advice for firefighters

Special protective equipment for firefighting	self-contained breathing apparatus
Further information	Do not disperse powdered product in air.

## **6. ACCIDENTAL RELEASE MEASURES**

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

Wear suitable personal protective equipment.  
Avoid dust formation.  
Keep away sources of ignition.

### **6.2. Environmental precautions**

The product should not be allowed to enter drains, water courses or the soil.

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

Avoid dust formation.  
Take measures to prevent the build up of electrostatic charge.  
Risk of dust explosion.  
Damp spilled material with water and pick up mechanically. Transfer warning labels from original containers to containers where the material is collected.  
Treat recovered material as described in the section "Disposal considerations".

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

#### **Additional information**

Keep away sources of ignition, stop running engines, no smoking.  
Moisten spilled material with water, cover with wet sand or wetted binder, then take up.  
Information regarding Waste Disposal, see chapter 13.

## **7. HANDLING AND STORAGE**

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

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

Avoid dust formation.  
Avoid dust accumulation in enclosed space.  
Provide appropriate exhaust ventilation at places where dust is formed.  
Take measures to prevent the build up of electrostatic charge.  
Use antistatic tools.

#### **Hygiene measures**

Wash hands before breaks and at the end of workday.  
Use protective skin cream before handling the product.  
Take off immediately all contaminated clothing and wash it before reuse.

**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 sources of ignition.

Dust can form an explosive mixture in air.

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

Requirements for storage areas and containers

Keep only in the original container.

Keep container tightly closed.

**Advice on storage compatibility**

When used and handled as intended, none.

Do not store or transport together with foodstuffs

**Further information on storage conditions**

Keep container tightly closed.

Keep container dry.

Keep away sources of ignition.

Protect from extreme heat and cold

**Storage stability**

If correctly stored: storage life > 12 months

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

No further recommendations.

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**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
Hand protection :	Nitrile rubber gloves. Minimum breakthrough time (glove): not determined Minimum thickness (glove): not determined Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). With solid dry substances permeation is not to be expected, therefore the breakthrough-time for this protective glove has not been measured.
Eye protection :	safety glasses
Body protection :	working clothes

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state :	solid
Form :	solid
Colour :	dark red
Odour :	not specified
Odour threshold :	not available
Melting point (decomposition):	approx. 320 °C
Boiling point (decomposition):	not determined
Flash point :	Not applicable
Evaporation rate :	Not applicable
Lower explosion limit :	not tested.
Upper explosive limit :	not tested.
Combustion number :	BZ5 Complete combustion with flames
Minimum ignition energy :	not tested.

Burning rate :	0,13 mm/s
Vapour pressure :	not available
Vapour density relative to air :	not available
Relative Density:	not available
Solubility in water :	(20 °C) insoluble
Solubility in...	fat not tested.
Octanol/water partition coefficient (log Pow) :	Not applicable
Ignition temperature :	not tested.
Self-ignition temperature :	from 200 °C
Thermal decomposition :	280 °C (Heating rate : 3 K/min)
Viscosity (dynamic) :	Not applicable
Viscosity (kinematic) :	Not applicable
Explosive properties :	Explosive according to EU supply regulations : no data available
Oxidizing properties :	not tested.

## 9.2. Other information

Density :	1,82 g/cm <sup>3</sup> (20 °C)
Bulk density :	150 kg/m <sup>3</sup> (20 °C)
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.

Stable.

**10.4. Conditions to avoid**

ignition sparks

**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 Information related to the product itself:**

Information related to the product itself:

Acute oral toxicity :	LD50 > 2.000 mg/kg (rat) The product has not been tested. The information is derived from the properties of the individual components.
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Acute dermal toxicity :	not available
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Acute inhalation toxicity :	not available
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Irritant effect on skin :	non-irritant The product has not been tested. The information is derived from the properties of the individual components.
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Irritant effect on eyes :	non-irritant The product has not been tested. The information is derived from the properties of the individual components.
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Sensitization :	not available
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Repeated dose toxicity:	not available
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Assessment of mutagenicity :	not available
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Carcinogenicity :	not available
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Assessment of carcinogenicity :	not available
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Assessment of toxicity to reproduction :	not available
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Assessment of teratogenicity :	not available
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**Remarks**

The product has not been tested. The information is derived from the properties of the individual components.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Information related to the product itself:

**Fish toxicity :** not available

Daphnia toxicity : not available

Algae toxicity : not available

Bacteria toxicity : not available

**Toxicity to soil-dwelling** not available

**organisms :**

**Toxicity to terrestrial plants :** not available

**Toxicity to other** not available

**environmentally relevant**

**organisms :**

**Sediment toxicity :** not available

### 12.2. Persistence and degradability

Information related to the product itself:

Physico-chemical not available

eliminability :

Photodegradation : not available

Biodegradability : This property is substance-specific and therefore cannot be given for the preparation.

Dissolved Organic carbon Not applicable

(DOC) :

Chemical oxygen demand Not applicable

(COD) :

Biochemical oxygen demand Not applicable

(BOD5) :

### 12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation: Not applicable



#### **12.4. Mobility in soil**

Information related to the product itself:

Transport and distribution between environmental compartments :	No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3, it is reported here.
Behaviour in environmental compartments	not available

#### **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**

The product should not be allowed to enter drains, water courses or the soil.

The product has not been tested. The information is derived from the properties of the individual components.

### **13. DISPOSAL CONSIDERATIONS**

#### **13.1. Waste treatment methods**

##### **Product**

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

##### **Uncleaned packaging**

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

### **14. TRANSPORT INFORMATION**

#### **Section 14.1. to 14.5.**

<b>ADR</b>	not restricted
<b>ADN</b>	not restricted
<b>RID</b>	not restricted
<b>IATA</b>	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

**Legend**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AOX	Adsorbable organic bound halogens
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association

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IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	Non Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Environmental Concentration
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bioaccumulative
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Change to the last edition	3rd edition of the MSDS for this product (25th July, 2014)