

Material Safety Data Sheet

HIFIFAST SCARLET HF2Y

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

Product Name	HIFIFAST SCARLET HF2Y
Chemical Characterization	Disazo C.I. Pigment Red 166 C. I. No.:20730
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. 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.

2.2. 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.

2.3. 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 RED 166

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.

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

8.1. Control parameters

DNEL

worker: Long-term exposure - local effects, Inhalation: 3 mg/m³

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.

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 :	Red
Odour :	odourless
Odour threshold :	not determined

pH value :	7.0
Melting point :	> 300 °C
Boiling point :	not determined
Flash point :	Study does not need to be conducted.
Evaporation rate :	The product is a non-volatile solid.
Flammability :	not determined
Lower explosion limit :	not determined
Upper explosive limit :	not determined
Ignition temperature:	530 °C
Vapour pressure :	not applicable
Density:	not applicable 1.47 g/cm ³ (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:	Temperature: 20 °C not self-igniting Temperature: 386 °C (Method: VDI 2263, sheet 1, 1.4.1)
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity (dynamic) :	Study does not need to be conducted.
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 :	190 kg/m ³
pKA:	The substance does not dissociate.
Adsorption/water - soil:	log KOC: 9.83
Volatility/water - air:	
Surface tension:	not applicable
Grain size distribution:	No data available.

Molar mass: 794.5 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:

hydrogen chloride carbon oxides, nitrogen oxides, toxic gases/vapours

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

In animal studies the substance is virtually nontoxic after a single skin contact. In animal studies the substance is virtually nontoxic after a single ingestion. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

Experimental/calculated data: LD50 mouse (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 concerning sensitizing effects.

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 concerning reproduction toxicity.

Developmental toxicity

Assessment of teratogenicity: No data available concerning teratogenic effects.

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 concerning repeated dose toxicity.

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 EC50 (0.5 h), bacteria not determined

sludge:

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.

12.2. Persistence and degradability

Assessment biodegradation and elimination (H₂O):

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

12.3. Bioaccumulative potential

Assessment bioaccumulation potential: The product has not been tested.

Bioaccumulation potential: Accumulation in organisms is not to be expected. The product has not been tested. The statement has been derived from the structure of the product.

12.4. Mobility in soil (and other compartments if available)

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. 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.

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

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

RID	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

Inland waterway transport

ADN	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

Transport in inland waterway vessel: Not evaluated

Sea transport

IMDG 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

Air transport

IATA/ICAO 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

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

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)