

Material Safety Data Sheet

HIFIFAST YELLOW HF2G-W

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

Product Name	HIFIFAST YELLOW HF2G-W
Chemical Characterization	Bisacetoacetarylde C.I. Pigment Yellow 155 C. I. No.:200310
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)

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

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 YELLOW 155

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information	Seek medical assistance if discomfort continues
After inhalation	Remove from danger zone. Obtain medical advice.
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.

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

Symptoms	No symptoms known currently.
Hazards	No special measures needed.

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 dry powder foam
Extinguishing media that must not be used for safety reasons	No restrictions

5.2. Special hazards arising from the substance or mixture

carbon oxides
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 Set up threefold fire attack, use extinguishants singly or in combination, equip branchman and support team with respiratory protective equipment.

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

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Dilute remainder with water and take up with absorbent material (eg sawdust, sand, universal binder)

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

Keep container tightly closed.
Keep container in a well-ventilated place.

Hygiene measures

Observe the usual precautions when handling chemicals.

Advice on protection against fire and explosion

Take precautionary measures against static discharges.
Avoid formation of dust.
Keep away from sources of ignition.
Observe the usual precautionary measures required for chemicals with dust explosive properties (Observe national regulations).

Dust explosion class : ST2 Capable of dust explosion

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep in original packaging, 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 in a cool, well-ventilated place

Storage stability

If correctly stored: storage life > 12 months

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.

Respiratory protection : In case of dust formation, use a fine dust face mask.

Hand protection : Nitrile rubber gloves.

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 :	powder
Particle size :	3 µm 50 %
Colour :	yellow
Odour :	not specified
Odour threshold :	not available
pH value :	app. 7 (20 °C, 50 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 :	BZ5 Complete combustion with flames (20 °C)
Combustion number :	BZ5 Complete combustion with flames (100°C)
Minimum ignition energy :	1 - 3 mJ with inductive electrical resistance
Minimum ignition energy :	3 - 10 mJ without inductive electrical resistance
Burning rate :	0,3 mm/s
Vapour pressure :	not tested.
Vapour density relative to air:	not available
Relative Density:	not available
Solubility in water :	(20 °C) insoluble

Soluble in ... :	fat not tested. unknown
Octanol/water partition coefficient (log Pow) :	
Ignition temperature :	not tested.
Self-ignition temperature :	290 °C Method : VDI 2263 (Grewer)
Self-ignition temperature :	290 °C Method : VDI 2263 (Grewer) The sample was mixed 1:1 with diatomaceous earth.
Thermal decomposition :	300 - 370 °C (Heating rate : 3 K/min) Method : DSC Closed cup
Viscosity (dynamic) :	Not applicable
Viscosity (kinematic)	Not applicable
Explosive properties :	Explosive according to EU supply regulations : no data
Oxidizing properties :	not tested.

9.2. Other information

Density :	approx. 1,4 g/cm ³
Bulk density :	200 - 500 kg/m ³
Impact sensitivity :	Not impact-sensitive
Specific resistance / electrical conductivity :	Specific resistance (resistivity) : : 3,6E+15 Ohm.m Electrical conductivity : : 4E-15 S/m Temperature : : 19 °C

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

Strong oxidizing agents.
sparks
ignition

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 : 1999/45/EC
Acute dermal toxicity :	not available
Acute inhalation toxicity :	not available
Irritant effect on skin :	non-irritant (rabbit) Method : 1999/45/EC
Irritant effect on eyes :	non-irritant (rabbit) Method : 1999/45/EC
Sensitization :	non-sensitizing (Guinea pig) Method : 1999/45/EC
Repeated dose toxicity:	not available
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 available
Assessment of carcinogenicity :	not available
Assessment of toxicity to reproduction :	not available
Assessment of teratogenicity :	not available

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 organisms :	not available
Toxicity to terrestrial plants :	not available
Toxicity to other environmentally relevant organisms :	not available
Sediment toxicity :	Source : not available

12.2. Persistence and degradability

Information related to the product itself:

Physico-chemical eliminability :	not available
Photodegradation :	not available
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.
Dissolved Organic carbon(DOC) :	Not applicable
Chemical oxygen demand(COD) :	3.100 mg/g Method : internal test
Biochemical oxygen demand(BOD5) :	1 mg/g Method : internal test 5 d

12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation:	Not applicable
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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.
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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

Do not allow to enter soil, waterways or waste water

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

Incineration in an approved, controlled furnace. Observe: fire hazard data, physical and corrosion data.

Uncleaned packaging

For disposal local regulation is binding.

Composition C; 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

Text of the R-phrases assigned to the ingredients/components mentioned in section 3 :

22	Harmful if swallowed.
41	Risk of serious damage to eyes.

List of the text of the hazard statements mentioned section 3 (H-phrases) :

H302	Harmful if swallowed.
H318	Causes serious eye damage.

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