Date Prepared: 21-Mar-2020

SAFETY DATA SHEET

Safety Data Sheet according to regulation (EC) No 1907/2006 & 1272/2008 and amendments

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Superfast™ Yellow HGI

Product Description: **Pigment Yellow 180**

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Intended/Recommended Use: Pigment for plastic, ink and coatings
Uses advised against: -

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET Company:

Shandong Huabao Pigment Co., Ltd.

Lushan Industry Park, Yishui County, Shandong Province, China.

For Product and all Non-Emergency Information call your local contact point or contact us at inkjetchroma@gmail.com

1.4 EMERGENCY TELEPHONE NUMBER (24 hours/day)

- For emergency only involving spill, leak, fire, exposure or accident call: 86-19818298813

Trademarks indicated with the ® or ™ are registered, unregistered or pending trademarks of Shandong Huabao Pigment Co.,Ltd. or its directly or indirectly affiliated GYHB Group companies.

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272/2008 and amendments
Not Classified

2.2 LABEL ELEMENTS

Hazard Statements

Not applicable

Precautionary Statements
Precautionary statements on the label will be reduced as indicated in Regulation (EC) No 1272/2008, Article 28.

Not applicable

2.3 OTHER HAZARDS
Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.
By excessive exposure to dust, eye and respiratory tract irritation is possible.

RESULTS OF PBT AND vPvB ASSESSMENT
Not determined

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance, Mixture or Article? Substance

3.1 SUBSTANCES

No Hazardous Ingredients

See Section 16 for full text of H phrases.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Eye Contact:
Rinse immediately with plenty of water for at least 15 minutes.

Skin Contact:
Wash immediately with plenty of water and soap.

Ingestion:
If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician.
Never give anything by mouth to an unconscious person.

Inhalation:
Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

None known.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDS

Not applicable.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable Extinguishing Media:
Use water spray or fog, carbon dioxide or dry chemical.

Unsuitable Extinguishing Media:
Alkaline dry chemicals, high pressure water jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

5.3 ADVICE FOR FIREFIGHTERS

Protective Equipment:
Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing.
See SDS Section 8 (Exposure Controls/Personal Protection).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level of exposure. Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

6.2 ENVIRONMENTAL PRECAUTIONS

None known.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Sweep up into containers for disposal. Flush spill area with water.

6.4 REFERENCES TO OTHER SECTIONS

See Sections 7, 8 and 13 for additional information.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions: Wash hands thoroughly after handling.

Special Handling Statements: Maintain good housekeeping to control dust accumulations. Provide good ventilation of working area (local exhaust ventilation if necessary). During processing and handling of the product, comply with the indicative occupational exposure limit values.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in a cool, dry, well ventilated place and keep container tightly closed. Keep away from sources of ignition
- refrain from smoking. Take precautionary measures against electrostatic loading
- earthing necessary during loading operations.

Storage Temperature: Store at <= 30 °C
Reason: Quality.

Storage Class (TRGS 510): 11

7.3 SPECIFIC END USE(S)
See the most current Safe Powder Coating Guideline (CEPE, European Council of the Paint, Printing Ink and Artists Colours Industry).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

No OEL values have been established.

Biological Exposure Limit(s)

No values have been established.

8.2 EXPOSURE CONTROLS

Engineering Measures:
Engineering controls are not usually necessary if good hygiene practices are followed.

Respiratory Protection:
For operations where inhalation exposure can occur use an approved respirator. Recommendations are listed below.
Other protective respiratory equipment may be used based on user's own risk assessment.

Recommended:
Full Face Mask with particle Type P2 filter

Eye protection:
Wear eye/face protection such as chemical splash proof goggles or face shield.

Skin Protection:
Avoid skin contact.
Wear impermeable gloves.

Hand protection:
Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.
Wear impermeable gloves.

Additional Advice:
Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Colour:	yellow
Appearance:	Powder
Odor:	odourless
Odor Threshold:	See Section 8 for exposure limits.
pH:	Not available
Melting Point:	decomposed at 326 °C

Boiling Point:	Not applicable
Flash point:	Not available
Evaporation Rate:	Not available
Flammable Limits (% By Vol):	Not available
Vapor Pressure:	Not available
Vapour density:	Not available
Specific Gravity/Density:	1.4743 g/cm^3 at 23 °C
Solubility In Water:	insoluble (< 0.1 mg/L)
Partition coefficient (n-octanol/water):	0.04
Autoignition temperature:	>= 250 °C
Decomposition Temperature:	326 °C
Viscosity (Kinematic):	Not applicable
Viscosity (Dynamic):	Not available
Explosive Properties:	Not available
Oxidizing Properties:	No

9.2 OTHER INFORMATION

Fat Solubility (Solvent-Oil):	Not available
Percent Volatile (% by wt.):	Not available
Solids Content:	~ 100 % DIN EN ISO 3251
Saturation In Air (% By Vol.):	Not available
Acid Number (mg KOH/g):	Not available
Hydroxyl Value (mg KOH/g):	Not available
Volatile Organic Content (1999/13/EC):	< 1 %

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY No information available

10.2 CHEMICAL STABILITY Stable

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Polymerization:	Will not occur
Conditions To Avoid:	None known.

10.4 CONDITIONS TO AVOID No hazardous reactions when stored and handled according to prescribed instructions. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

10.5 INCOMPATIBLE MATERIALS None known

10.6 HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide
Carbon monoxide (CO) Irritant gases/vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Likely Routes of Exposure: Skin, Eyes, Respiratory System.

Acute toxicity - oral: Not Classified
- Based on available data and/or professional judgment, the classification criteria are not met.

Acute toxicity - dermal: Not Classified
- Based on available data and/or professional judgment, the classification criteria are not met.

Acute toxicity - inhalation: Not Classified
- Based on available data and/or professional judgment, the classification criteria are not met.

Skin corrosion / irritation: Not Classified
- Based on available data and/or professional judgment, the classification criteria are not met.

Serious eye damage / eye irritation: Not Classified
- Based on available data and/or professional judgment, the classification criteria are not met.

Respiratory sensitization: Not Classified
- Based on available data and/or professional judgment, the classification criteria are not met.

Skin sensitization: Not Classified
- Based on available data and/or professional judgment, the classification criteria are not met.

Carcinogenicity: Not Classified.
- Based on available data and/or professional judgment, the classification criteria are not met.

Germ cell mutagenicity: Not Classified.
- Based on available data and/or professional judgment, the classification criteria are not met.

Reproductive toxicity: Not Classified.
- Based on available data and/or professional judgment, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure: Not Classified.
- Based on available data and/or professional judgment, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure: Not Classified.
- Based on available data and/or professional judgment, the classification criteria are not met.

Aspiration hazard: Not Classified

PRODUCT TOXICITY INFORMATION

ACUTE TOXICITY DATA

oral	rat	Acute LD50	> 2000 mg/kg
dermal	rabbit	Acute LD50	> 2000 mg/kg
inhalation	rat	Acute LC50 4 hr	> 5 mg/l (Dust/Mist)

LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	dermal	Not irritating
Acute Irritation	eye	Not irritating

ALLERGIC SENSITIZATION

Sensitization	Skin	No data
Sensitization	respiratory	No data

GENOTOXICITY

Assays for Gene Mutations
Ames Salmonella Assay No data

OTHER INFORMATION
The product toxicity information above has been estimated.
Inhalation exposure up to the OSHA nuisance dust level (15 mg/M3) would not be expected to produce significant adverse health effects.

HAZARDOUS INGREDIENT TOXICITY DATA

No Hazardous Ingredients

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY, PERSISTENCE AND DEGRADABILITY, BIOACCUMULATIVE POTENTIAL, MOBILITY IN SOIL, OTHER ADVERSE EFFECTS

This material is not classified as dangerous for the environment.
The ecological assessment for this material is based on an evaluation of its components.

12.1 ECOTOXICITY

Not available

12.2 PERSISTENCE AND DEGRADABILITY

Not available

12.3 BIOACCUMULATIVE POTENTIAL

Not available

12.4 MOBILITY IN SOIL

Not available

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

Not determined

12.6 OTHER ADVERSE EFFECTS

Not available

HAZARDOUS INGREDIENT TOXICITY DATA

No Hazardous Ingredients

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

The company encourages the recycle and reuse of products and packaging, where possible and permitted.

Product disposal

When recycle or reuse is not possible, the comany recommends that our products, especially when classified as hazardous, be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed. For disposal within the European Community, waste codes according to Directive 2008/98/EC should be assigned by the user based on the application for which the product was used.

Packaging disposal

Handle contaminated packages in the same way as the product itself. Disposal of emptied and cleaned packaging must be made in accordance with applicable local and national regulations.

Disposal-relevant information

Do not release directly or indirectly to surface water, ground water, soil or public sewage system.

SECTION 14: TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

SUBSECTION 14.1 TO 14.5

ADR/RID/ADN

Dangerous Goods? Not applicable/Not regulated

IMO

Dangerous Goods? Not applicable/Not regulated

ICAO / IATA

Dangerous Goods? Not applicable/Not regulated

14.6 SPECIAL PRECAUTIONS FOR USER

Protect against external heat sources higher than +30°C.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

No information available

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Ozone Depleting Substances (Regulation (EC) No 1005/2009): Not applicable

Persistent Organic Pollutants (Regulation (EC) No 850/2004): Not applicable

Prior Informed Consent (Regulation (EC) No 689/2008): Not applicable

Substances subject to Authorization (Annex XIV of Regulation (EC) No 1907/2006): Not applicable

Substances subject to Restrictions for certain applications(Annex XVII of Regulation(EC)No 1907/2006): Not applicable

Water Endangering Class (Germany): 1 according to AwSV, 18.04.2017

Inventory Information

European Economic Area (including EU): When purchased and shipped from an Huabao legal entity based in the EEA (EU or Norway), this product is compliant with the registration of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt and/or registered.

United States (USA): All components of this product are designated as "Active" on the TSCA Inventory or are not required to be listed.

Canada: All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

Australia: All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on AICS.

New Zealand: This product is approved or exempt under the Hazardous Substances and New Organisms (HSNO) Act.

China: All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

Japan: All components of this product are included on the Japanese (ENCS and ISHL) inventories or are not required to be listed on the Japanese inventories.

Korea: All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory.

Philippines: All components of this product are either listed on the Philippine (PICCS) inventory, have been assessed by Environmental Management Bureau (EMB) or are exempt from notification requirements.

Taiwan: All components of this product are included in the Taiwan chemical substance inventory or are not required to be listed on the Taiwan chemical substance inventory (TCSI).

15.2 CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out.

SECTION 16: OTHER INFORMATION

Reasons for Issue: Revised Section 1

Date Prepared: 21-Mar-2020
Date of last significant revision: 09-Jun-2016

Classification methods include one or more of the following: use of specific product data, read-across data, modeling, professional judgment or a component based evaluation.

This information is given without any warranty or representation. We do not assume any legal responsibility for same, nor do we give permission, inducement, or recommendation to practice any patented invention without a license. It is offered solely for your consideration, investigation, and verification. Before using any product, read its label.