

# SAFETY DATA SHEET

## SECTION 1 Identification

### Product identifier

Product name Zinc Ferrite

Product number Y30T

### Recommended use of the chemical and restrictions on use

Application Industrial color

### Details of the supplier of the safety data sheet

Supplier Shanghai Yipin Pigments Co.Ltd.  
4839 Jiasong bei Rd,  
Shanghai, China 201814

### Emergency information

Yipin Pigments Inc.  
9843 6<sup>th</sup> St. Suite 105  
Rancho Cucamonga, CA 91730  
Tel.:909-243-7394

## SECTION 2 Hazards Information

### Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

### Label elements

Hazard statements NC Not Classified

## SECTION 3 Composition/Information on Ingredients

### Mixtures

Zinc Ferrite > 98%  
CAS number: 68187-51-9  
REACH registration number: Proprietary

### Classification

Not Classified

The Full Text for all Hazard Statements are Displayed in Section 16.

## SECTION 4 First Aid Measures

### Description of first aid measures

**Inhalation** If exposed to excessive levels of dust or fumes, remove to fresh air. Get medical attention if cough or other symptoms develop.

<b>Ingestion</b>	Rinse mouth thoroughly with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed by medical personnel. Get medical attention if symptoms occur.
<b>Skin Contact</b>	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if any discomfort continues.

## **SECTION 5 Fire-fighting measures**

### **Extinguishing media**

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.  
Extinguish with the following media: Water spray, foam, dry powder or carbon dioxide.

### **Special hazards arising from the substance or mixture**

**Flammability Class** No Uniform Fire Code noted.

### **Advice for firefighters**

**Protective actions during Firefighting** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Special protective equipment for firefighters** Wear self-contained breathing apparatus

## **SECTION 6 Accidental release measures**

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

**Methods for cleaning up** If dust is generated, use appropriate respiratory protection. Vacuum or sweep up material and place in a disposal container. Avoid generation and spreading of dust. Large Spillages: Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Avoid runoff into storm sewers and ditches which lead to waterways.

## **SECTION 7 Handling and storage**

### **Precautions for safe handling**

**Usage precautions** Minimize dust generation and accumulation. Do not breathe dust. Avoid contact with skin and eyes. Wash contaminated skin thoroughly after handling.

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

**Storage precautions** Store dry at ambient temperature away from food and beverages, excessive heat or flame sources (furnace, kilns, boilers etc.). Store away from substances subject to catalytic decomposition by dust, e.g. peroxides

## SECTION 8 Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

##### Zinc Ferrite

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m<sup>3</sup>  
ACGIH = American Conference of Governmental Industrial Hygienists.

### Ingredient comments

Total Inhalable Dust 10mg/m<sup>3</sup> - 8hr TWA. Total respirable Dust 4mg/m<sup>3</sup> - 8hr TWA

## SECTION 9 Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Dusty powder.
Color	Tan.
Odor	Odorless.
Odor threshold	Not available.
Ph	pH (concentrated solution): 5-8
Melting point	> 1000 °C(>1832°F)
Initial boiling point and range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Bulk density	0.68
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Volatile organic compound	None.

## SECTION 10 Stability and Reactivity

### Stability

No particular stability concerns.

### Materials to avoid

Substances subject to catalytic decomposition caused by dust such as peroxides. Further avoid contact with aluminum dust, calcium hypochlorite, hydrazine, ethylene oxide, caesium carbide.

## SECTION 11 Toxicological information

### Information on toxicological effects

<b>Toxicological effects</b>	No specific toxicity tests have been carried out on this product.
<b>Inhalation</b>	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
<b>Ingestion</b>	No harmful effects expected from quantities likely to be ingested by accident.
<b>Skin Contact</b>	Substance may cause slight skin irritation.
<b>Eye contact</b>	May cause slight irritation.

**SECTION 12 Ecological information**

<b>Ecotoxicity</b>	The product is not expected to be hazardous to the environment.
<b><u>Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	The product is not readily biodegradable.
<b><u>Bioaccumulative potential</u></b>	
<b>Bio-Accumulative Potential</b>	Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.
<b>Partition coefficient</b>	Not available.
<b><u>Mobility in soil</u></b>	
<b>Mobility</b>	The product is insoluble in water.
<b><u>Other adverse effects</u></b>	
<b>Other adverse effects</b>	None known

**SECTION 13 Disposal considerations**

<b><u>Waste treatment methods</u></b>	
<b>General information</b>	Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.
<b>Disposal methods</b>	Reuse or recycle products wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**SECTION 14 Transport Information**

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).
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**SECTION 15 Regulatory Information**

<b><u>US Federal Regulations</u></b>	
<b>SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities</b>	None of the ingredients are listed or exempt.

**CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

None of the ingredients are listed or exempt.

**CAA Accidental Release Prevention**

None of the ingredients are listed or exempt.

**US State Regulations**

**State Regulations Comments**

California Prop 65 Warning: This product contains chemicals, as trace impurities and not intentionally added, known to the state of California to cause cancer (C) and birth defects or other reproductive (R) harm.

**Massachusetts "Right To Know" List** Not listed.

**Rhode Island "Right To Know" List** Not listed.

**Minnesota "Right To Know" List** Not listed.

**New Jersey "Right To Know" List** Not listed.

**Pennsylvania "Right To Know" List** Not listed.

**Inventories**

**EU - EINECS/ELINCS**

Zinc Ferrite

EINECS

**Canada - DSL/NDSL**

Zinc Ferrite

DSL

**US - TSCA**

Zinc Ferrite

Present.

**US - TSCA 12(b) Export Notification**

Zinc Ferrite

No.

**Australia - AICS**

Zinc Ferrite

Yes

**Korea - KECI**

Zinc Ferrite

Yes

**China - IECSC**

Zinc Ferrite

Yes

**Philippines - PICCS**

Zinc Ferrite

Yes

**SECTION 16 Other information**

**Hazardous Material Information System:**

Health	1
Flammability	0
Physical hazards	0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

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\*=Chronic

The customer is responsible for determining the PPE code for this material.  
National Fire Protection  
Association (U.S.A.) :

**SECTION 16 Other information**



0= Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

Yipin' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by Yipin as a customer service.  
Notice to reader:

**Approval or Revision History**

Date of Issue: (mm/dd/yyyy) 07/28/2014

Revision May 2015 Revised Section(S) per HCS-GHS

**Notice to Reader**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It is provided solely for the customer's consideration, investigation and verification. Hereby specifically claims. It shall not be held liable for any damage resulting from handling or from contact with the above products.

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