

SAFETY DATA SHEET

SECTION 1 Identification

Product identifier

Product name Synthetic Yellow Iron Oxide
Product number Y810T
CAS number 51274-00-1

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 6th 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

C.I. PIGMENT YELLOW 42 > 94%
CAS number: 51274-00-1
REACH registration number: Proprietary

Classification

Not Classified

ALUMINUM OXIDE

< 4
CAS number: 1344-28-1
REACH registration number: Proprietary

Classification

Not Classified

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

Composition comments Yellow iron hydroxide oxide, FeOOH / C.I. Pigment Yellow 42 : Alternative CAS No. 20344-49-4, Alternative EINECS No. 243-746-4

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.
Ingestion	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.
Skin Contact	Wash with soap and water. Get medical attention if irritation develops or persists.
Eye contact	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 as combustion may produce hazardous fumes.

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

ALUMINUM OXIDE

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

OSHA = Occupational Safety and Health Administration.

Ingredient comments

Although no exposure limit has been established by OSHA for this product, the limit for nuisance particulates should be followed: OSHA 8-hr TWA 10mg/m³ Total Dust 5 mg/m³ respirable dust. ACGIH TLV-TWA 10mg/m³ Total dust or 5mg/m³ respirable dust.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Dusty powder.
Color	Yellow.
Odor	Odorless.
Odor threshold	Not available.
Ph	pH (diluted solution): 4 - 8 @ 10%
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	Not available
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. Temperatures of approximately 180° C and above, result in dehydration to Fe ₂ O ₃ .
Conditions to avoid	Avoid heat.
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

Toxicological effects	No information available.
Inhalation	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin Contact	Substance may cause slight skin irritation.
Eye contact	May cause slight irritation.

SECTION 12 Ecological information

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

SECTION 13 Disposal considerations

Waste treatment methods

General information	Disposal of this product, process solutions, residues and by-products should at all times comply with the
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requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14 Transport Information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DoT).
<u>UN Number</u>	Not applicable.
<u>UN proper shipping name</u>	Not applicable.
<u>Transport hazard class(es)</u>	Not applicable.
DOT hazard class	No transport warning sign required.
DOT hazard label	Not regulated. No DOT label requirement noted
<u>Packing group</u>	Not applicable.
<u>Environmental hazards</u> Environmentally Hazardous Substance	No.
<u>Special precautions for user</u>	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15 Regulatory Information

<u>US Federal Regulations</u>	
SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities	None of the ingredients are listed or exempt.
CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)	None of the ingredients are listed or exempt.
SARA 313 Emission Reporting ALUMINUM OXIDE	1.0 %
CAA Accidental Release Prevention	None of the ingredients are listed or exempt.
<u>US State Regulations</u>	
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.
C.I. PIGMENT YELLOW 42	Not listed.
ALUMINUM OXIDE	Present.
Rhode Island "Right To Know" List	Not listed.
C.I. PIGMENT YELLOW 42	Not listed.

ALUMINUM OXIDE	Present.
Minnesota "Right To Know" List	Not listed.
C.I. PIGMENT YELLOW 42	Not listed.
ALUMINUM OXIDE	Present.
New Jersey "Right To Know" List	Not listed.
C.I. PIGMENT YELLOW 42	Not listed.
ALUMINUM OXIDE	Present.
Pennsylvania "Right To Know" List	Not listed.
C.I. PIGMENT YELLOW 42	Not listed.
ALUMINUM OXIDE	Present.

Inventories

EU - EINECS/ELINCS EINECS	All the ingredients are listed or exempt.
Canada - DSL/NDSL DSL	All the ingredients are listed or exempt.
US – TSCA	All the ingredients are listed or exempt.
US - TSCA 12(b) Export Notification	No.
Australia – AICS	All the ingredients are listed or exempt.
Japan - MITI C.I. PIGMENT YELLOW 42 ALUMINUM OXIDE	No. Yes
Korea - KECI	All the ingredients are listed or exempt.
China – IECSC	All the ingredients are listed or exempt.
Philippines – PICCS	All the ingredients are listed or exempt.
New Zealand – NZIOC	All the ingredients are listed or exempt.

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
*=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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