

Material Safety Data Sheet

According to 91/155/EEC and ISO 11014-2009

1. Identification of substance and of the company

Trade Name: Iron Oxide Yellow

HIGHTECH INDUSTRIES (JINZHOU) CO., LIMITED

Add: Industrial Zone, Jinheng, Jinzhou Liaoning, China

Tel.: +86 416-698 9020

2. Composition/Data on components

Chemical characterization:

Synthetic iron oxide $\text{Fe}_2\text{O}_3 \cdot \alpha\text{H}_2\text{O} (\alpha\text{-FeOOH})$, C. I. Pigment Yellow 42

CAS No: 20344-49-4

Einecs No: 243-746-4

Dangerous : none

3. Hazards identification

No hazardous effects known. The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/584/EEC Or amendments.

Fatalness grade: In accordance with Regulation (EC) No. 1272/2008, the product is not divided into dangerous article.

Invasion route:

Skin Contact: It can touch the skin.

Eyes contact: May stimulate the eyes.

Inhalation: Hurmfu inhalation.

Ingestion: it can cause our stomach upset if we swallowed.

Health hazards: it doesn't stimulate the skin.

Environment hazards: it is harmless and insoluble in water.

Burn & burst danger: the product is nonflammable.

4. First Aid measures

After inhaling: Supply fresh air

Ingestion: Don't lead to vomiting without medical advice, if the victim needs to vomit, make him forward to reduce the risk of inverse suction. Loosen tight clothing, such as a collar,tie,belt or girdle. Don't carry out the rescue by mouth to mouth. Immediately get medical aid.

After eye contact: Flush with plenty of pressure water for 15 mins., occasionally raising eye lids.

After skin contact: Wash skin with mild soap and water,The clothes can be used after washing or disinfection them.

5. Fire fighting measures

Suitable extinguishing media: no restriction

Special hazards caused by the material, its combustion products or resultant gases: none

Special personal protection equipment: none

Danger characteristic: In the event of fire it may release harmful oxide.

Hazardous combustion products: Carbon oxides and metal oxides.

Fire-fighting method & media: the staff must equip with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defense the fire and the toxic gas. Put out the fire in the up wind direction. Remove the container to the open space as soon as possible. Spray water on the containers in the fireplace to keep them cool until finish extinguishment. Media: hazy water, foam, powder, CO₂, sandy clay.

6. Accidental release

Environmental protection conduct: Do not sweep or wash into public stretches of water, sewers or sites of unknown discharge paths.

After spillage/leakage/gas leakage: Clean up immediately with wetting or absorbent material avoiding dusting

7. Handling and storage

Handling: Usual precautions for nuisance dust should be observed.

Supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operation regulations. It is advised that the staff wear self-contained breathing dust respirator, protective gloves, and working clothes. Keep away from fire and heating sources. No smoking in the workplace. Avoid producing dust. Prevent contacting with oxidizer and acid. Take care when lifting and handling in case of damaging the package. Empty the container that may contain harmful residue.

Protection against fire and explosion: The product is non-flammable

Storage: Store in roofed places at room temperature. Keep containers tightly sealed. Stored in dry place, and well packed, Keep away from fire and heating sources. Equip with relevant types and quantities of the extinguishment instruments.

Flammability Class: not applicable

8. Exposure controls/personal protection

Additional notes for design of plant equipment:

No further details, see sec. 7

Components with workplace-related limits to be monitored:

Personal protection equipment: Wear safety glasses or goggles. Wear appropriate protective clothing to prevent skin contact. Wear appropriate chemical resistant gloves.

Respiratory protection:

An appropriate dust filter has to be used if a breathable dust is liberated.

9. Physical and chemical properties

Form: powder

colour: Yellow

odour: odourless

	Value/Area	Unit	Method
Change in physical state			
Thermal Decomposition:	n.a.	°C	Lit.
Flash point: not flammable			
Flammable properties: The product is not flammable under standardized conditions.			
Explosion risks: The product is not explosive			
Vapour pressure:	n.a.	mbar	
Density: (200C)	4.1	g/cm3	DIN/ISO 787 part 10

10. Stability and reactivity

Stability: Stable under normal temperature and pressure.

Distribution of Ban: Strong oxidant, strong acid.

Conditons to Avoid: Fire, high temperature.

Hazardous Polymerization: None

Hazardous Decomposition Products: Under normal conditions of storage and use, Hazardous decomposition products should not be produced.

11. Toxicological Information

Acute Toxicity: No known significant effects or critical hazards.

Sub-acute and Chronic Toxicity: No known significant effects or critical hazards.

Irritation: No known significant effects or critical hazards.

Sensitization: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Others: Not available.

Because of experiences with the product mentioned, there are no recognizable hazards for human beings, If it is correctly used and applied

12. Ecological information

Avoid infiltration into waster drainings or soil.

Eco-toxicity: No known significant effects or critical hazards.

Biodegradable: No known significant effects or critical hazards.

Non-biodegradable: No known significant effects or critical hazards.

Bioconcentration or biological accumulation: No known significant effects or critical hazards.

Other harmbul effects: No known significant effects or critical hazards.

13. Disposal considerations**Waste disposal methods:**

Dispose in accordance with federal, state, National and local regulations.

Waste Code No.: Check re-use as alternative.

Contaminated packages and containers:

Emptied, but contaminated packages and containers may be recycled.

Waste Code No.: 18715 (Germany)

Nature of waste: This product is not as hazardous waste, as defined by Regulation (EC) No. 1272/2008.

14. Transport information**International:**

Land transport: ADR/RID/GGVS/GGVE: Not Regulated

Sea transport: IMDG/GGV See UN-No.: Not Regulated

Air transport: ICAO/IATA UN/ID-No.: Not Regulated

U.S. D.O.T.CLASSIFICATION: Not Regulated

CANADA Transport of dangerous goods: Not Regulated

DOT Shipping Name:None

Technical Shipping Name:Inorganic Oxide

DOT Hazardous Classification: Non-Regulated. This product is not classed as a dangerous substance under the Classification, Packaging and Labeling of Dangerous Goods Act.

DOT Hazard Class: Non-Regulated.

DOT Identification Number: None

DOT Labels required: None

DOT Placards required: None. No specific transportation precautions required.

UN Class:None.

Transport Attentions: Examine whether the package of the containers are integrate or not before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation.Avoid Oxidizer and Strong acid. During transport, the vehicle should prevent exposure, rain and high temperature.

15. Regulatory information

ISO 11014-2009 Safety data sheet for chemical products-Content and order of sections.

The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/548/EEC or amendments.

Regulation (EC) No. 1272/2008 Classification, Labelling and Packaging of Substances and Mixture.

16. Further information:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.