



浙江正奇世荣科技有限公司

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Safety Data Sheet

According to Regulation (EC) No 1907/2006

Transparent Iron Oxide Pigment Brown TB-1008

Version 1.0

Issue date: 21/09/2015

Revision date: 01/01/2023

SDS Record Number: CSSS-TCO-010-118218

Section 1 Identification of the substance/mixture and of the company/undertaking

Product identifier:

Identification on the label/Trade name: Transparent Iron Oxide Pigment Brown TB-1008
Additional identification: Transparent Iron Oxide Pigment Brown TB-1008
Identification of the product: CAS# 51274-00-1, 1309-37-1, 1333-86-4
EC# 257-098-5, 215-168-2, 215-609-9
Color Index Number: P.Y. 42, P.R.101, P.BK.7
REACH registration No.: Not available

Relevant identified uses of the substance and uses advised against:

Identified uses:

Used as colorant for automotive paints, wood finishes etc.

Uses advised against:

Not available.

Details of the supplier of the safety data sheet:

Supplier(Only representative): Chemical Inspection & Regulation Service Limited
Supplier(Manufacturer): Zhejiang Genky Selong Technology Co., Ltd.
Address: Lihai Town, Shangyu City, Zhejiang Province, China
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Emergency telephone Number:

+353-41-980 6916

Available outside office hours?

YES

☐

NO

X

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The substance is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008

Hazard classes/Hazard categories

Hazard codes

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SDS EU

1 / 7

N/A

N/A

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms:	No hazard pictogram is used.
Signal Word(S):	No signal word is used.
Hazard Statement:	Not applicable.
Precautionary statement:	Not applicable.

2.3 Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classification
FeOOH	N/A	51274-00-1	257-098-5	45%-48%	Not Classified
Fe ₂ O ₃	N/A	1309-37-1	215-168-2	45%-48%	Not Classified
Carbon Black	N/A	1333-86-4	215-609-9	2%-4%	Not Classified
Free water	N/A	7732-18-5	231-791-2	1%-4%	Not Classified
Impurity	N/A	N/A	N/A	<1%	Not available

<1 percent of the mixture consists of component (s) of unknown toxicity.

Section 4 First aid measures

Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation:

Inhalation of dust may cause irritation and coughing. Remove casualty to fresh air immediately. Obtain medical advice if symptoms persist.

In case of skin contact:

May cause irritation. After contact with skin, wash with soap and plenty of water.

In case of eyes contact:

May cause irritation. Rinse thoroughly with plenty of water, also under medical advice.

In case of ingestion:

May be harmful if swallowed. Obtain medical attention. DO NOT INDUCE VOMITING. Wash out mouth with water if person is conscious.

Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

Extinguishing media:	
Suitable extinguishing media:	Use water spray, dry chemical, carbon dioxide, or chemical foam.
Unsuitable extinguishing media:	None known
Special hazards arising from the substance or mixture	Burning may produce dust, fumes.
Special fire fighting methods and special protective actions for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:	Ensure adequate ventilation. Avoid raising dust. Avoid direct contact with the substance.
For emergency responders:	Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.
Environmental Precautions:	Do not let product enter drains. Local authorities should be advised if significant spillages cannot be contained.
Methods for Containment and Cleaning up:	Damp down spilled materials to minimize dust levels. Sweep up and transfer to sealable containers. See section 13 for appropriate waste disposal considerations.
Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.
Additional information:	Hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 Handling and storage

Precautions for safe handling:

Protective measures:	Handle in well ventilated areas. Eliminate all sources of ignition, and do not generate flames or sparks. Take precautionary measures against static discharges.
Advice on general occupational hygiene:	Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.
Conditions for safe storage, including any incompatibilities:	Keep containers tightly closed in a cool, well ventilated area. Keep away from drink and foodstuffs. Keep in properly labelled containers.
Specific end use(s):	Not applicable.

Section 8 Exposure Controls/Personal Protection

Control parameters:

Occupational exposure limits:	ACGIH TLV: 5 mg/M ³ TWA OSHA PEL: 10 mg/M ³
Additional exposure limits under the conditions of use:	Not available.
DNEL/DMEL and PNEC-Values:	Workers - Hazard via inhalation route-Systemic effects-Long term exposure-DNEL (Derived No Effect Level): 10 mg/m ³ Workers - Hazard via inhalation route-Local effects-Long term exposure-DNEL (Derived No Effect Level): 10 mg/m ³
Exposure controls:	
Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas.
Individual protection measures, such as personal protective equipment:	

Eye/face protection:	Wear goggles to BS EN 349B.
Hand protection:	Appropriate protective gloves.
Body protection:	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory protection:	In the case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards:	Wear suitable protective clothing to prevent heat.
Environmental exposure controls:	Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Powder
Colour:	Brown
Odour:	Not available
Odour threshold:	Not available
pH:	3-8
Melting point/range (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	<3%
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not flammable
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	1 mm Hg @ 20°C
Vapour density:	Not available
Relative Density:	5.25g/cm ³ (25°C)
Bulk density (kg/m³):	900kg/m ³
Water solubility (g/l):	Insoluble
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Specific gravity:

Not available

Section 10 Stability and reactivity

Reactivity:

The substance is stable under normal storage and handling conditions.

Chemical stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid:

Incompatible materials, dust generation.

Incompatible materials:

Aluminum, carbon dioxide, ethylene oxide, hydrazine, calcium hypochlorite, bromine pentafluoride, cesium carbide.

Hazardous decomposition products:

None.

Section 11 Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data:

Not available

Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat):

> 10000 mg/kg bw

LD50(Dermal, Rabbit):

Not available

LC50(Inhalation, Rat):

Not available

Skin corrosion/Irritation:

Not classified

Serious eye damage/irritation:

Not classified

Respiratory or skin sensitization:

Not classified

Germ cell mutagenicity:

Not classified

Carcinogenicity:

Not classified

Reproductive toxicity:

Not classified

STOT- single exposure:

Not classified

STOT-repeated exposure:

Not classified

Section 12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
LC50	>100 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:

Not available.

Bioaccumulative potential:

Not available.

Mobility in soil:

The product is insoluble in water.

Results of PBT&vPvB assessment:

PBT assessment does not apply. The substance is inorganic.

Other adverse effects:

Not available.

Section 13 Disposal considerations

Waste treatment methods:

The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Product / Packaging disposal:

If empty container retains product residues, all label precautions must be observed.

Return for reuse or dispose according to national or local regulations.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

Chemical Safety Assessment has been carried out? YES ☐ NO ☒

Inventory status:

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 Other information

Indication of changes:

Version 1.0 Amended by EU No 453/2010

Training instructions:

Not applicable.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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