

MATERIAL SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

565300
Reviewed on: 06/10/2011

Printing date: 04/02/2013

01 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:**
ZKZ-07000 colour pigment ochre
- **Application of the substance / the preparation**
Cosmetic ingredient
- **Manufacturer/Supplier:**
Gildewerk B.V.
Jan van Geunsweg 10A, 2031 BD Haarlem, The Netherlands
Tel. +31 - (0)23 - 532 22 55
Fax +31 - (0)23 - 534 09 65
E-mail holland@gildewerk.com
www.gildewerk.com

02 Hazards identification

- **Hazard description:**
Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Prevent formation of dust.
- **GHS label elements**
Void

03 Composition/information on ingredients

<i>CAS NO.</i>	<i>Description Index R-phrases</i>	<i>%</i>
Not applicable		

04 First aid measures

- **General information:**
No special measures required.
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
- **After swallowing:**
If symptoms persist consult doctor.

05 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:**
Wear fully protective suit.

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*(continued of page 1)***06 Accidental release measures**

- **Person-related safety precautions:**
Wear protective clothing.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**
Dispose contaminated material as waste according to item 13.
Pick up mechanically.

07 Handling and storage

- **Handling:**
- **Information for safe handling:**
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of dust.
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
- **Information about fire - and explosion protection:**
Protect against electrostatic charges.
- **Storage:**
Durée de vie / Shelf life
10 years
T°<25°C
Tout conditionnement ouvert doit être testé chaque année / After opening, product must be rechecked every year
- **Requirements to be met by storerooms and receptacles:**
No special requirements.
- **Information about storage in one common storage facility:**
Not required.
- **Further information about storage conditions:**
Protect from exposure to the light.
Store receptacle in a well ventilated area.
Caution when reopening receptacles with broken seal.
Open receptacle only under localized extractor facilities.
Protect from humidity and water.

08 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:**
N°CAS : 51274-00-1 (CI 77492) France : Poussières totales : 10 mg/m³/8h - Poussières alvéolaires : 10mg/m³/8h - French maximum permitted exposure levels : 10 mg/m³/8h total dust by inhalation - 5 mg/m³/8h : alveolar dust.

N°CAS : 1309-37-1 (CI 77491) MAK : 3,5 mg (Fe)/m³, OCT 2002 ; TWA : 5 mg (Fe)/m³ ; STEL : 10 mg (Fe)/m³, 2005

N°CAS : 12227-89-3 (CI 77499) France : Poussières totales : 10 mg/m³/8h - Poussières alvéolaires : 10mg/m³/8h - French maximum permitted exposure levels : 10 mg/m³/8h total dust by inhalation - 5 mg/m³/8h : alveolar dust.
- **Additional information:**
The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.

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- **Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands: Protective gloves**
- **Material of gloves**
Nitrile rubber, NBR
- **Eye protection: Safety glasses**
- **Body protection: Use protective suit.**

09 Physical and chemical properties

General Information

Form:	Powder
Colour:	Brown
Flammability (solid, gaseous):	Product is not flammable.
Solubility in / Miscibility with	
water:	Insoluble.
vegetable oils:	Insoluble.
paraffin oil:	Insoluble.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous decomposition products:**
No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
Oral, LD50: > 2000 mg/kg
- **Primary irritant effect:**
- **on the skin: ***
No irritant effect.
- **on the eye: ***
No irritating effect.
- **Additional toxicological information:**
* FDA-EEC : positive lists

12 Ecological information

- **Behaviour in sewage processing plants:**
The product can be mechanically separated.
- **General notes:**
At present there are no ecotoxicological assessments.

13 Disposal considerations

- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:**
Disposal must be made according to official regulations.
Packaging may be reused or recycled after cleaning.

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14 Transport information

- | | |
|---|---|
| • Land transport ADR/RID (cross-border)
<i>ADR/RID class:</i> | - |
| • Maritime transport IMDG:
<i>IMDG Class:</i> | - |
| • Air transport ICAO-TI and IATA-DGR:
<i>ICAO/IATA Class:</i> | - |

15 Regulatory information

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

ZKZ-07000 colour pigment ochre

1. Product description / Description du produit

Iron oxides mixture / Mélange d'oxydes de fer.

2. Legislation / Réglementation

INCI	CI 77492	CI 77491	CI 77499
CTFA name	Iron oxides	Iron oxides	Iron oxides
CAS No.	51274-00-1	1309-37-1	12227-89-3
EC No.	257-098-5	215-168-2	235-442-5
Colour Index	77492	77491	77499
EU - 76/768/EC ^[1]	Annex IV, Part 1 : CI 77492 *	Annex IV, Part 1 : CI 77491 *	Annex IV, Part 1 : CI 77499 *
EU - 2008/128/EC ^[1]	E172	E172	E172
USA	Iron oxides **	Iron oxides **	Iron oxides **
JAPAN	Yellow oxide of iron	Red oxide of iron	Black oxide of iron

* cat 1 : allowed in all cosmetics. ** exempt from certification ; for coloring cosmetics, including cosmetics applied to the area of the eye.

[1] including amendments

3. Supported chemical and physical data / Données physico-chimiques supportées

Appearance / Aspect	Powder / Poudre
Water solubility / Solubilité eau	Insoluble
Water soluble matter / Substances solubles dans l'eau	1.0% max
Volatile matter (105°C) / Matières volatiles	1.5% max
Fastness to light / Stabilité lumière	Good / Bonne
Heavy metals / Métaux lourds [ICP analysis]	(ppm)
Lead / Plomb	0 - 10
Zinc / Zinc	0 - 100
Arsenic / Arsenic	0 - 3
Copper / Cuivre	0 - 50
Mercury / Mercure	0 - 1
Barium / Baryum	0 - 50
Chromium / Chrome	0 - 100
Cadmium / Cadmium	0 - 5
Nickel / Nickel	0 - 200
	Antimony / Antimoine
	0 - 10

4. Suggested uses / Utilisations conseillées

All cosmetic products / Tout produit cosmétique.