

**MATERIAL SAFETY DATA SHEET**  
**(91/155/EEC)**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION  
AND OF THE COMPANY

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COMMERCIAL DESCRIPTION

ZKZ-01000 colour pigment white

**INS**

2. COMPOSITION/INFORMATION ON THE INGREDIENTS

Chemical description : Titanium dioxide + optic brightner + E.D.T.A.

Chemical classification : Mineral pigment (pigment white 6) +  
optic brightner + chelating agent

CI : 77891

CAS : 13463-67-7

EINECS : 236-675-5

INCI : CI 77891

JAPAN : Titanium dioxide

3. HAZARDS IDENTIFICATION

Symbol : ----

Name : ----

Can involve an irritation by contact with the skin (mechanical effect).

Can involve an eye irritation.

4. FIRST AID MEASURES

In case of inhalation : Remove to fresh air. Consult a physician

In case of skin contact : Wash with soap and water

In case of eye contact : Flush with plenty of water for at least 15 min

In case of ingestion : Consult a physician immediately

5. FIRE FIGHTING MEASURES

- Self-contained breathing apparatus and full protective equipment.
- Finely divided powder may lead to dust cloud formation which may be an explosion hazard.

Pulverised water XX

CO<sub>2</sub> XX

Foam XX

Dry chemical XX

Others :

6. ACCIDENTAL RELEASE MEASURES

- Inert material such as sand or saw dust or earth may be added.
- Place spilled material into appropriate waste containers for disposal in accordance with local state regulations.

## 7. HANDLING AND STORAGE

- Handling : Avoid exposure to skin and eye. Good standards of safe working practice and industrial hygiene should be observed.
- Storage : Original packaging units tightly closed and stored at room temperature (below 25°C) : **10 years**
- Packing materials : ----

## 8. CONTROL OF INDIVIDUAL PROTECTION AGAINST EXPOSURE

- Respirator : Dust respirator is recommended when exposure limits may be exceeded
  - Goggles : Safety glasses
  - Gloves : Leather or rubber gloves
  - Ventilation : The use of local exhaust ventilation is recommended.
- French Maximum Permitted Exposure Levels :
- 10 mg/m<sup>3</sup>/8h = Total dust by inhalation  
5 mg/m<sup>3</sup>/8h = Alveolar dust

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : powder
- Colour : white
- pH (1% in pure water) : 6,5 - 8
- Solubility in water : insoluble in water and oils
- Temperature : ----

## 10. STABILITY AND REACTIVITY

- Dangerous reactions : ----
- Dangerous products of decomposition : ----

## 11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity (DL 50) > 10000 mg/Kg
- Skin irritation : non irritant
- Irritation to eye : non irritant

## 12. ECOLOGICAL INFORMATION

- Mobility of the product in environment :
  - Persistence/degradability :  
DCO :  
COD :
  - Ecotoxicity :  
CL 50 Contact time :
- No environmental effect if prescriptions of § 13 are fully filled.

### 13. ELIMINATION

Disposal of the product :

- Should be in accordance with local legislation - regional or national.
- S 29 - Do not empty into drains.

Disposal of containers :

- Do not remove labels before cleaning.
- Do not cut or pierce the containers.
- Containers should be cleaned by appropriate methods when reused.
- Sent to a discharge or incinerated as appropriate

### 14. TRANSPORT INFORMATION

Non hazardous substance for transportation

### 15. INFORMATION CONCERNING REGULATIONS

- Identification according to directive CEE :

Symbol :

Name :

R - phrases :

S - phrases :

S 29 - Do not empty into drains.

- In accordance with national disposition

### 16. OTHER INFORMATION

This data sheet completes the information sheet but does not replace it. The information that it contains is based on the knowledge of the product concerned as of 30/07/97.

The indications are given in good faith.

A list of the principal legislative texts may be attached to this sheet as a guide. The attention of users is drawn to the risks which are run when a product is employed for other uses than those for which it is designed

**ZKZ-01000 colourpigment white**

**DEFINITION**

Mélange d'un pigment minéral oxyde de titane,  
d'un azurant optique et d'un séquestrant

**LEGISLATION**

COLOUR INDEX  
INCI  
C.A.S. NUMBER  
EINECS  
F.D.A.

C.E.E. COSMETIQUE  
(76/768/EC incl. amendments)

C.E.E. ALIMENTATION  
(95/45/EC incl. amendments)  
JAPAN

**FORMULE CHIMIQUE**



**PROPRIETES PHYSICO CHIMIQUES**

Teneur en pigment pur	92 % min
Poids spécifique	4 - 4,1
Résistance aux acides	bonne/good
Résistance aux alcalis	bonne/good
Matières volatiles (105°C)	0,8 %

**METAUX LOURDS p.p.m.**

PLOMB	0-10
ARSENIC	0-3
MERCURE	0-1
CUIVRE	0-100
ZINC	0-100
CHROME	0-100
ANTIMOINE	0-10
BARYUM	0-50
CADMIUM	0-1

**DEFINITION**

Mixture of a mineral pigment titanium  
dioxide, optic brightner and chelating agent

**LEGISLATION**

77891  
CI 77891  
13463 - 67 - 7  
236 - 675 - 5  
Inorganic pigment  
Certification not required  
Annexe IV, Partie 1 Catégorie n°1  
Autorisé dans tous les produits  
cosmétiques  
Allowed in all cosmetic products  
-

Titanium dioxide

**CHEMICAL STRUCTURE**

**PHYSICAL AND CHEMICAL PROPERTIES**

Pure dye content
Specific gravity
Fastness to acid
Fastness to alkali
Volatile matter (105°C)

**HEAVY METALS p.p.m.**

LEAD
ARSENIC
MERCURY
COPPER
ZINC
CHROME
ANTIMONY
BARIUM
CADMIUM