

Material Safety Data Sheet

according to 91/155/EC and ISO 11014-1

HOMBITAN ANATASE

Print date: 11.02.2005

Approval date: 25.06.2004

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

• **Identification of the preparation/substance**

Product code: HOMBITAN ANATASE
Types: LW-S-U HD, LW-S, LW-S-U, LW-S-12, LO-CR-S-M, LC-S, M, LW, LW-C, LO-CR-K

• **Manufacturer / supplier:** **Please note: This is the MSDS provided by the supplier of these goods to FIBRECRAFTS.**

Telephone: **FIBRECRAFTS does not have the qualifications necessary to gather such specialised data.**
Telefax:

Use of the substance / preparation: **Tel: 01483 565800**

White pigment for delustration of man-made fibers,
White pigment for plastics, white pigment for paints,
coating and paper

• **Inquiry office:**

BC_FasernAktiveMaterialien,
BC_Beschichtung_Papier_Kunststoffe
Office Telephone Telefax
BC_FasernAktiveMaterialien ++49-2066-22-2408 ++49-2066-22-3408
BC_Beschichtung_Papier_Kunststoffe ++49-2066-22-2612 ++49-2066-22-3633

Emergency phone National Poisons Info-Service ++44-171/635-9191
CHEMTEL (USA) ++1-800-255-3924

2. COMPOSITION / INFORMATION ON INGREDIENTS

• **Chemical characterization of the substance:**

CAS-Nr.	Substance identification acc. to EC directive	Danger symbol	Risk - phrases
13463-67-7	Titanium dioxide, TiO ₂	-	-

Identification: C.I. 77891 Pigment white 6 EINECS-Nr.: 236-675-5

3. HAZARDS IDENTIFICATION

- **Most important hazards:**
Titanium dioxide is not a dangerous or hazardous material in sense of the EEC directive 67/548 and is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard.
- No specific hazards provided good industrial hygiene practice is applied so as to avoid generation of dust.

4. FIRST AID MEASURES

- **General indications:** In case of contact with eyes flush with plenty of water
- **Inhalation:** Move to fresh air atmosphere. Give symptomatic treatment as necessary.
- **Skin contact:** Wash with soap and water.
- **Eye contact:** Wash with water or neutral eyewash solution.
- **Ingestion:** Do not induce vomiting. Give up to 200 ml water. In case of persistent symptoms, consult a doctor.

5. FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:** No restrictions - Nonflammable inorganic pigment product
- **Special exposure hazards:** NFPA Ratings: Health 1 - Flammability: 0 - Reactivity: 0
HMIS Ratings: Health 1 - Flammability: 0 - Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** No further measures
- **Environmental precautions:** No further measures
- **Methods for cleaning up:** Remove in the usual way or rinse away with water
Avoid dusting during clean-up.

7. HANDLING AND STORAGE

- **Handling:**
Safe handling advice: No special measures
- **Storage:**
Storage conditions/packing material: Keep in dry conditions
Incompatible products: None

*8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Engineering measures:** None required
- **Control parameters**

CAS-Nr.	Substance identification	type	Value	Unit
1346 3-67-	Titanium dioxide Nuisance dust	ACGI H	1 0	mg/

7		TLV OSH A PEL	5	$\frac{\text{mg}}{\text{m}^3}$
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See national Occupational exposure limits (OEL) for total respirable dust

• **Personal protection equipment**

Industrial hygiene measures:

Respiratory protection:

Hand protection:

Eye protection:

Skin protection:

Keep in clean conditions

The use of an approved dust respirator is recommended. A respirator must be used if the dust concentration is likely to exceed the Occupational exposure limit.

in the event of prolonged exposure wear protective gloves coated with nitrile rubber

The use of approved dustproof goggles is recommended if the dust concentration is likely to exceed the Occupational exposure limit.

TiO₂ pigments are not irritant but as with all fine powders can adsorb moisture and natural oils from the surface of the skin during prolonged exposure. Prolonged exposure should be avoided by wearing suitable protective gloves and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

• **Appearance**

Physical State: Powder

Colour: White

Odour: None

• **Critical Data**

Melting point or range:

> 1,800°C

Flash point:

n.a.

Explosive properties:

no danger of explosion.

Vapour pressure:

n.a.

Density:

approx. 3,9 g/ml DIN EN ISO 787-9

Solubility:

< 0,01 g/l DIN EN ISO 787-9

pH-value:

approx. 8 DIN EN ISO 787-9

Further information:

Bulk density: approx. 430 g/l

10. STABILITY AND REACTIVITY

- **Hazardous decomposition products:** Product is stable and no hazardous reaction is known

11. TOXICOLOGICAL INFORMATION

• **Toxicological Informations**

Acute toxicity:

LD₅₀ (rats, oral) > 10,000 mg/kg

Inhalative LC₅₀/4 Hour (Rat): > 6.8 mg/l

Local effects:

Titanium dioxide is not irritating

• **Chronic toxicity:**

Non genotoxic.

• **Practicle experience:**

No toxic/irritating effects are known

• **Further information:**

SARA Title III:

Section 302 (EHS): None

Section 311/312/313 (Acute): None

12. ECOLOGICAL INFORMATION

- **Persistence/Degradability**
Degradability: Non - biodegradable.
- **Environmental impact/ecotoxicity**
Further information: Fish LC0 (Leuciscus idus, 48h): > 1000 mg/l
- **Further ecological information**
General information: Titanium dioxide is practically insoluble in aquatic systems and without any environmental hazard

13. DISPOSAL CONSIDERATIONS

- **Residues**
Reference: Place in an appropriate disposal facility in compliance with local and national regulations
General information: EWC Code No: 06 03 16
RCRA: Not identified as a RSCA hazardous waste under 40 CFR 261, and not regulated under CERCLA (Superfund)
- **Contaminated packaging**
Reference: If recycling is not practicable, dispose of in compliance with local regulations.
Cleanser: Water

14. TRANSPORT INFORMATION

- **Further information:**
Titanium dioxide is not classified according to the recommendations of the UN and the EEC directive 94/55 on the transport of dangerous or hazardous goods

15. REGULATORY INFORMATION

- **According to the CPL regulation 1984, as amended, the product is classified as follows:**
Dangerous group and symbol: Titanium dioxide is not a hazardous material according to the EEC directive 67/548 and subsequent amendments
Dangerous ingredient for labelling: No special labelling is required
- **National rules**
Water pollution class (in Germany): Not harmful to water
OSHA Hazard Communication Standard Status:
Titanium dioxide is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard (29 CFR 1910.1200)
Toxic Substances Control Act (TSCA) Status:
All of the ingredients of this material have been reported to the U.S. EPA and are included in the TSCA chemical inventory

16. OTHER INFORMATION

The data given here are based on current knowledge and experience. The purpose of this Material Safety Data Sheet is to describe the product in terms of its safety requirements. The data do not signify any warranty with regard to the product's properties.

- **Editor:** Sachtleben Chemie GmbH
Produktsicherheit

**- END of Material Safety Data Sheet -
HOMBITAN ANATASE**