26000 XSL Titanium White

1. Identification of the Substance/Mixture and of the Company/Undertaking

1. 1. Product Identifier

Product Name:	*XSL Titanium White*
Article No.:	*26000*

1. 2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Coloring agent for dye and varnish industry

Uses advised against:

1. 3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company:	*Kremer Pigmente GmbH & Co. KG*
Address:	*Hauptstr. 41-47, 88317 Aichstetten, Germany*
Tel./Fax.:	*Tel +49 7565 914480, Fax +49 7565 1606*
Internet:	*www.kremer-pigmente.de*
EMail:	*info@kremer-pigmente.de*
Importer:	*--*

1. 4. Emergency No.

Emergency No.:	*+49 7565 914480 (Mon-Fri 8:00 - 17:00)*

1. 4. 2 Poison Center:

2. Hazards Identification

2. 1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)
This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2. 2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)
No classification required according to the CLP/GHS guidelines.

Hazard designation:
Not applicable.

Signal word:

Hazard designation:

EUH208	May produce an allergic reaction.

Safety designation:

Hazardous components for labelling:

2. 3. Other Hazards

EUH208: contains 1,2-Benzisolthiazol-3(2H)-one. Can cause allergic reactions.
This product is capable of dust explosion under certain

next page: 2

circumstances.

3. Composition/Information on Ingredients

3. 1. Substance

3. 2. Mixture

Chemical Characterization: *Titanium dioxide pigment, water dispersable powder. Pigment White 6, C.I. 77891*

Information on Components / Hazardous Ingredients:

2-Butenedioic acid (2Z-)- polymer with 2-methyl-1-propene and octadecene, sodium salt (H319)	3 - 5 %	CAS-Nr: 191175-18-5 EINECS-Nr: EC-Nr:

Additional information:

4. First Aid Measures

4. 1. Description of the First Aid Measures

General information:

Remove contaminated clothes.

After inhalation:

Supply fresh air and seek medical advice in case of complaints.

After skin contact:

Remove contaminated clothing. Wash off immediately with plenty of water and soap.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

Rinse mouth with water and drink plenty of water.

4. 2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4. 3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

5. Fire-Fighting Measures

5. 1. Extinguishing Media

Suitable extinguishing media:

Extingishing powder, foam.

Unsuitable extinguishing media:

Carbon dioxide (CO2)

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: hazardous vapors may be released. Development of fumes/aerosol.

5. 3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Avoid formation of dust: risk of dust explosion.

6. Accidential Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

6. 2. Environmental Precautions

Environmental precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Small spills:
Clean up with suitable appliance and dispose adequately.
Large spills:
Contain with dust binding material and dispose accordingly.
Avoid dust formation.

6. 4. Reference to other Sections

Protective clothing, see Section 8.
Dispose of contaminated material according to Section 13.

7. Handling and Storage

7. 1. Precautions for Safe Handling

Instructions on safe handling:

Respiratory protection when handling without exhaust system.

Hygienic measures:

Do not inhale dust. Wash hands before breaks and at the end of work.

7. 2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.
Do not store product below 0°C and above 80°C.

Requirements for storage areas and containers:

Keep container tightly closed.

Information on fire and explosion protection:

Avoid dust formation. Protect against electrostatic charging.

Dust explosion class 3 (Kst-value >300 bar m/s).

Storage class:

11 (TRGS 510): Combustible solids

Further Information:

7. 3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8. 1. Parameters to be Controlled

Parameters to be controlled (DE):

Barium sulphate: AGW: 1.25 mg/m3 (airborne); 10 mg/m3 (inhalable); 2(II)

Titanium dioxide (CAS 13463-67-7): TLV (TRGS 900): 1.25 mg/m3 (8h, airborne dust), 10 mg/m3 (8h, inhalable dust); 2(II)

Aluminium hydroxide (CAS 21645-51-2): AGW (TRGS 900): 1.25 mg/m3 (airborne dust), 10 mgl/m3 (inhalable dust); 2(II)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8. 2. Exposure Controls

Technical protective measures:

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Protective clothing recommended due to the coloring effects of the product.

Respiratory protection:

Suitable respiratory protection for lower concentration or short-term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).

Hand protection:

Protective gloves (EN 374)

The manufacturer´s directions for use should be observed because of the great diversity of types.

Protective glove material:

Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).

Recommended: Protective index 6, > 480 min. of permeation time accord. EN 374.

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

Prevent from getting into the soil, surface water and sewage system.

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form:	*granules*
Color:	*white*
Odor:	*odorless*
Odor threshold:	*No information available.*
pH-Value:	*7 - 9 (100 g/l)*
Melting temperature:	*not determined*
Boiling temperature:	*not determined*
Flash point:	*not available*
Evaporation rate:	*This product is a non-volatile solid.*
Flammability (solid, gas):	*440°C*
Upper explosion limit:	*no information available*
Lower explosion limit:	*no information available*
Vapor pressure:	*not applicable*
Vapor density:	*This product is a non-volatile solid.*
Density:	*not available*
Solubility in water:	*dispersible*
Coefficient of variation (n-Octanol/Water):	*no information available*
Auto-ignition temperature:	*Product is not auto-ignitable.*

Decomposition temperature:
not determined

Viscosity, dynamic:
not applicable

Explosive properties:
Product does not present an explosion hazard.

Oxidizing properties:
not oxidizing

Bulk density: *800 kg/m3*

9. 2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:
Hygroscopy: not hygroscopic
Self-heating ability: This product is not self-heating.

10. Stability and Reactivity

10.1. Reactivity
Stable if used according to specifications.

10.2. Chemical Stability
Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions
Risk of dust explosion.

10.4. Conditions to Avoid

Conditions to avoid:
Avoid formation of dust.

Thermal decomposition:

10.5. Imcompatible Materials
None known.

10.6. Hazardous Decomposition Products
None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:
not tested

LD50, dermal:

not determined

LC50, inhalation:

not determined

Primary effects

Irritant effect on skin:

Slight irritant effect (rabbit; OECD 404)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known (guinea pig; OECD 406).

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no organospecific toxicity expected.
Repeated exposure: no information available.

Additional toxicological information:

In February 2006, the IARC has re-evaluated Titanium Dioxide pertaining to Group 2B: "Possibly carcinogenic to humans", based upon inadequate evidence in humans and sufficient evidence in experimental animals for the carcinogenicity of titanium dioxide. IARC evaluation guidelines consider the generation of tumors, in 2 different studies within the same animal species, to be adequate criteria for an assessment of sufficient evidence.
Aspiration hazard: not applicable

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

LC50: > 100 mg/l (96h, Leuciscus idus)

Daphnia toxicity:

not determined

Bacteria toxicity:

not determined

Algae toxicity:

not determined

12. 2. Persistency and Degradability

Not readily biodegradable.
Can be eliminated from water by chemical adsorption.

12. 3. Bioaccumulation

No bioaccumulation expected.

12. 4. Mobility

No accumulation by the organisms.
Does not evaporate from the surface of the water to the atmosphere.

12. 5. Results of PBT- und vPvP Assessment

According to Annex VIII to Regulation (EC) No. 1907/2006 (REACH): this product is neither a PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative/very toxic) substance nor does it contain a PBT or vPvB substance.

12. 6. Other Adverse Effects

Water hazard class:

1 (German Regulation) (Assessment by list): slightly hazardous.

Behaviour in sewage systems:

Treatment and discharge of waste water into biological treatment plant should be carried out according to official national and local regulations.

Further ecological effects:

Do not discharge product uncontrolled into the environment.
The product does not contain any substances which can deplete the ozone layer, according to Section I of EC-Directive 2037/2000/EC.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to a waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated packaging may be recycled. Completely empty packaging can be disposed of with the regular waste.
Packaging may be disposed of in the same manner as the product.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Does not underlie the Accident Ordinance.

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

Regulation (EC) 2037/2000 - Substances that Deplete the Ozone Layer: not regulated / not applicable

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.