

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



26000 XSL Titanium White

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Revised edition: 21.02.2025

Version: 9

Printed: 21.03.2025

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

1.1. Product Identifier

Product Name: XSL Titanium White

Article No.: 26000

UFI: --

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.com

E-Mail: info@kremer-pigmente.com

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:

EUH212

Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

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This product is capable of dust explosion under certain 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)

CAS-Nr: 191175-18-5

EINECS-Nr:

EC-Nr:

Trimethylolpropane (H361fd); REACH Reg. No. 01-2119486799-10 0.25 - 1 %

CAS-Nr: 77-99-6

EINECS-Nr: 201-074-9

EC-Nr:

Additional information:

This mixture contains >1% titanium dioxide. The classification according to the CLP Regulation (EU) 1272/2008, Annex VI, Note 10, does not apply to this mixture.

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:

Immediately give water to drink.

Do not induce vomiting.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Exposure to high concentrations of dust may result in upper respiratory tract (nose and throat) and pulmonary irritation.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

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Contact Poison Control Center if large amounts are swallowed or inhaled.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray.

Unsuitable extinguishing media:

Water with full jet.

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.

In case of fire: formation of carbon oxides, nitrogen oxides and fumes.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Avoid contamination of sewage system, open water ways and ground water.

Cool exposed containers with water mist.

6. Accidental 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:

Contain with dry sand or an inert absorbent material.

Clean up with suitable appliance and dispose adequately.

Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

Preferably clean with detergent. Avoid the use of solvents.

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:

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Respiratory protection when handling without exhaust system.

Hygienic measures:

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

Remove contaminated clothing before entering dining areas.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Protect against heat and direct sunlight.

Requirements for storage areas and containers:

Close open containers with care and store in an upright position to avoid spilling.

Information on fire and explosion protection:

Avoid dust formation. Protect against electrostatic charging.

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

Storage class:

11; Combustible solids (TRGS 510)

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):

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

Short-term value: 20 mg/m³ (15 min) inhalable fraction. Average value: 10 mg/m³ (8h) inhalable fraction.

Barium sulfate: TWA: Average value (8h): 1.25 mg/m³ (airborne fraction); 10 mg/m³ (inhalable fraction); Short-term value (15 min): 2.5 mg/m³ (airborne fraction); 20 mg/m³ (inhalable fraction)

Short-term value: 20 mg/m³ (15 min) inhalable fraction. Average value: 10 mg/m³ (8h) inhalable fraction.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Trimethylolpropane (77-99-6):

0.34 mg/kg (consumer, skin contact/swallowing, long-term exposition - systemic effects)

0.58 mg/m³ (consumer, inhalation, long-term exposure - systemic effects)

0.94 mg/m³ bw/d (worker, skin contact, long-term exposition - systemic effects)

3.3 mg/m³ (worker, inhalation, long-term exposition - systemic effects)

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PNEC (Predicted No-Effect Concentration):

Trimethylolpropane (77-99-6):

Fresh water: 1 mg/l

Sea water: 0,1 mg/l

Fresh water sediment: 3.505 mg/kg

Sea water sediment: 0,351 mg/kg

Sewage treatment system (STP): 100 mg/l

Soil: 0.241 mg/kg

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:

Recommended: Protective index 6, corresponding > 480 min. of permeation time according to EN 374.

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

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

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<i>Color:</i>	<i>white</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>7 - 9 (100 g/l)</i>
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not available</i>
<i>Evaporation rate:</i>	<i>This product is a non-volatile solid.</i>
<i>Flammability (solid, gas):</i>	<i>not highly flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>This product is a non-volatile solid.</i>
<i>Density:</i>	<i>ca. 3.87 g/l</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>440°C (824°F)</i> <i>Product is not auto-ignitable (Test type: Spontaneous self-ignition at room temperature)</i>
<i>Decomposition temperature:</i>	<i>not determined</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>Product does not present an explosion hazard.</i>
<i>Oxidizing properties:</i>	<i>not oxidizing</i>
<i>Bulk density:</i>	<i>800 kg/m³</i>

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9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

VOC-Content (EU): 0.0 %

Solid content:

Particle size:

Other information:

Hygroscopy: not hygroscopic

Self-heating ability: This product is not self-heating.

Miscibility with water: miscible

Ignition temperature: 440°C

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. Incompatible Materials

Strong acids, strong bases, oxidizing agents.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

In case of high temperatures: formation of hazardous decomposition products.

The following materials may be among the decomposition products: 2-ethylacrylaldehyde and formaldehyde.

10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

Practically not toxic after a single oral exposure.

LD50, oral:

Trimethylpropane: > 14700 mg/kg (rat (m))

LD50, dermal:

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not determined

LC50, inhalation:

not determined

Primary effects

Irritant effect on skin:

Non irritating (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 information available.

Repeated exposure: no information available.

Aspiration hazard:

Not applicable

11.2. Information on other Hazards

Endocrine Disrupting Properties: no information available.

12. Ecological Information

12.1. Aquatic Toxicity

Not hazardous for aqueous organisms.

Fish toxicity:

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

Trimethylolpropane: LC50: 14400000-18035000 µg/l (96h;

Cyprinodon variegatus)

Daphnia toxicity:

Trimethylolpropane: EC50, acute: 13000000-16360000 µg/l (48h, Daphnia magna)

Bacteria toxicity:

not determined

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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.

Trimethylolpropane: Bioconcentration factor (BCF): < 17 (42d, Cyprinus carpio (carp); OECD 305C); log Pow: -0.47 (26°C)

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. Endocrine Disrupting Properties

No data available.

12. 7. Other Adverse Effects

Water hazard class:

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

Behaviour in sewage systems:

Treatment in biological waste treatment plant has to be performed according to local and administrative regulations.

Further ecological effects:

Do not discharge product uncontrolled into the environment.

AOX Value:

Product contains organically bound halogens which may influence the AOX value of discard water.

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):

040216 - Dyestuffs and pigments other than those mentioned in 040216

Uncleaned packaging:

Non contaminated packaging can either be recycled or utilized for energy (incineration).

Contaminated packaging must be disposed like the substance.

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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 / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

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. Maritime Transport in Bulk according to IMO Instruments

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

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Regulation AwSV)

Local regulations on chemical accidents:

Does not underlie the Accident Ordinance.

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Technical instructions on air quality:

5.2.1.: 94.4 %

5.2.5.: 5 %

5.2.5. (Classification I): < 0.5 %

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

Listed in the following inventories:

TSCA (8b, US), AIIIC (AUS), CA (DSL), CSCL (JP), KECI (KR), PICCS (PH), NZIoC (NZ), IECSC (CN), TCSI (TW)

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

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

Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable

VOC Content (w/w): 0 %

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.