SAFETY DATA SHEET

pursuant to Commission Regulation (EU) 2020/↩↵ as amended

Titanium white

Creation date	06.04.2017	Version number	4.0
Revision date	1↩02.2026		

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier Substance / mixture **1.2.** Titanium white

mixture

Relevant identified uses of the substance or mixture and uses advised against

Intended uses of the mixture

Paint and plastic industry, paper, leather and rubber industry, production of enamels, ceramics, food industry, cosmetics industry, fiber production **Uses**

of the mixture not recommended

The product must not be used in ways other than those specified in Section 1.

1.3. Details of the supplier of the safety data sheet

Downstream user

Name or business name	Kittfort Prague sro
Address	Radlická 2/60↩↵ Prague 5, 150 00 Czech Republic
Identification number (IÿO)	26704064
VAT	CZ26704064
Phone	+420 315 6↩7 5↳2
E-mail	info@kittfort.cz
Website address	www.kitfort.cz

Person responsible for the safety data sheet

Name	Ing. Jan Gerstenberger
E-mail	gerstenberger.j@gmail.com

1.4. Emergency telephone number

Toxicological Information Center, Department of Occupational Medicine, General University Hospital in Prague (24-hour service) +420 224 ↳1 ↳2 ↳8, 224 ↳15 402. 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture according to Regulation (EC) No. 1272/2008

The mixture is not classified as hazardous according to Regulation (EC) No 1272/200↩↵

The most serious adverse physicochemical effects

Not known

The most serious adverse effects on human health and the environment

Not known

2.2. Label elements

Signal word

none

Additional information

EUH211 Caution↩ Spraying may produce hazardous respirable droplets. Do not inhale. aerosols or mist.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 201↩/605. The mixture does not contain substances meeting the criteria for PBT or vPvB substances in accordance with Annex XIII, Regulation (EC) No 1↳07/2006 (REACH), in as amended. Does not contain PMT/vPvM components. Dust may form an explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization Mixture

of inorganic substances **The**

mixture contains the following hazardous substances and substances with established maximum permissible concentrations in the working atmosphere

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No. 1272/200↵	Note.
CAS: 13463-67-7 EC: 236-675-5 Registration number: 01-211↳4↩87↳17- xxxx	titanium dioxide	<100	not classified as dangerous	1
CAS: 1317-65-3 EC: 215-27↳6	limestone	<10	not classified as dangerous	2

Notes 1 *Note*

V: If a substance is to be placed on the market as fibres (with a diameter < 3 ÿm, a length > 5 ÿm and a length to diameter ratio ÿ 3:1) or as particles of the substance meeting the World Health Organisation criteria for fibres or as particles with a modified chemical surface composition, their hazardous properties must be evaluated in accordance with Title II of this Regulation to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.

2 *Substance for which exposure limits are set.*

The full text of all classifications and hazard statements is given in Section 16.

SECTION 4: First aid measures 4.1. Description

of first aid measures not specified

Inhalation

Provide fresh air. If

symptoms persist, call a doctor. **In**

case of skin

contact Wash with soap and water.

In case of **eye contact**

Rinse eyes immediately with plenty of water. If symptoms persist, call a doctor. In case of **ingestion** No adverse effects. If ingested,

increase fluid intake to flush out the body. If symptoms persist, call a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation Not

expected.

Skin contact Not

expected.

Eye contact Not

expected.

If ingested

Not expected.

4.3. Indication of any immediate medical attention and special treatment

needed No special instructions. **Further**

information

None known.

SECTION 5: Firefighting measures 5.1. Extinguishing media
Suitable

extinguishing media

Use extinguishing media that is appropriate to local circumstances and the surrounding environment **Unsuitable extinguishing**

media

Undetermined.

5.2. Special hazards arising from the substance or mixture No special hazards

5.3. Advice for firefighters No

special instructions. Firefighting

measures according to surrounding conditions

SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe dust. Ensure adequate ventilation. Wear personal protective equipment.

6.2 Environmental precautions Prevent soil contamination and

leakage into surface or groundwater.

6.3. Methods and material for containment and cleaning

Use any suitable mechanical means (vacuum cleaner, sweeping), avoid dusting. Spilled wet substance is slippery. In water, the leaked substance is visible even at low concentrations.

6.4. Reference to other sections See

sections 7, ↤and 13.

SECTION 7: Handling and storage 7.1.

Precautions for safe handling

Handling: Avoid dusting and inhalation of dust. Observe hygienic requirements for handling chemical substances and mixtures. Technical measures:

Avoid dust generation. Handling procedures and areas must be organized to minimize dust exposure. Warning: Local exhaust ventilation may be

necessary. Avoid dusting during handling. Take precautions against static electricity. Recommendations for users: If the substance is packaged in

bags, local operational safety regulations for handling bags should be applied.

7.2. Conditions for safe storage of substances and mixtures, including incompatible substances and mixtures

The substance must not be stored outdoors, exposed to weather conditions. Wetting must be prevented.

Packaging materials: Paper, plastic.
Incompatible materials: None **7.3.**

Specific end use(s) not

specified

SECTION 8: Exposure controls/personal protection 8.1. Control parameters

Czech Republic **Government Regulation No. 473/2025 Coll.**

Name of substance	Type	Value
(ingredients) limestone (CAS: 1317-65-3)	PELc	10 mg/m³

8.2. Exposure controls Provide

adequate ventilation. Reduce the risk of dust inhalation by limiting exposure. Observe local and national occupational exposure limits. Personal protective equipment, process controls and occupational safety principles should be used to reduce the risk of exposure.

Eye and face protection The

use of well-sealing safety glasses is recommended if the dust concentration is around the limit values.

Skin protection

Follow generally applicable principles for the use of protective clothing for handling chemical substances. Prevent exposure by wearing suitable impervious protective gloves.

Respiratory protection The use of

a dust respirator is always necessary when dust concentrations are around the limit values. The use of a suitable respirator is recommended as appropriate depending on the dust concentration and other factors of the working environment.

Thermal hazard Not listed.

Environmental exposure controls Prevent release to surface and groundwater.

Further information Hygiene measures: Individuals with sensitive skin should use a protective or moisturizing cream if intensive or prolonged skin contact with the substance is expected.

SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties

Physical state Color	solid
Odor	white
Melting point/freezing point	odorless >1560 °
Boiling point or initial boiling point and boiling point range	3000°C
Combustibility	non-flammable
Lower and upper explosive limits	not applicable not
Flash-point	determined
Autoignition temperature	not specified
pH decomposition temperature	not specified 6.5-7.5 (10% solution) not
Kinematic viscosity	determined
Solubility in water	< 1 ÿg/l in the pH range 6 to ↤not
Partition coefficient n-octanol/water (logarithmic value)	determined
Vapor pressure	not specified
Density and/or relative density density	
relative density	data not available 3,└00 to 4,260
Relative vapor density	kg/m3 data not available data not
Particle characteristics Form	available white powder

This is a mixture of inorganic substances, non-flammable with a melting point > 1500°C. Some properties such as flash point, evaporation rate, explosion limits, vapour pressure, vapour density, auto-ignition temperature, viscosity are not relevant. The mixture does not contain any volatile substances.

9.2. Further information

Explosive properties Bulk density: 500 to 1040 kg/m3; Tap density: 7↤0 to 1200 kg/m3	The product has no explosive properties.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive when used as recommended **10.2. Chemical stability**

Does not decompose when used as recommended

10.3. Possibility of hazardous reactions They are not known.

10.4. Conditions to avoid Humidity **10.5. Incompatible materials**

None known **10.6. Hazardous decomposition products**

They do not occur under normal use.

SECTION 11: Toxicological information 11.1.

Information on hazard classes as defined in Regulation (EC) No 1272/2008

not specified

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory sensitization/skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Other hazards information Endocrine disrupting properties Based on available data, the classification criteria for the mixture are not met. It does not contain components that may cause endocrine disruption in humans.

No **further information** provided.

SECTION 12: Ecological information

12.1. Toxicity

not specified

12.2. Persistence and degradability

It is not persistent.

12.3. Bioaccumulative potential

Aquatic bioaccumulation:

The Ti concentration remained constant in different fish tissues within the TiO2 concentration range in the tested water (0÷1 mg TiO2/l), resulting in a decrease in the bioconcentration factor with increasing TiO2 concentration. The substance is not considered to be bioaccumulative.

Terrestrial bioaccumulation:

No reliable results are available for the bioaccumulation of TiO2 in terrestrial organisms. The read-across approach indicated, due to the equilibrium conditions of Ti in the environment, the absence of Ti bioaccumulation in plants.

12.4 Mobility in soil Not mobile

in soil.

12.5. Results of PBT and vPvB assessment

Based on available data, the criteria for classification of the mixture are not met. Does not contain PBT/vPvB components. The product does not contain substances meeting the criteria for PBT or vPvB substances in accordance with Annex XIII, Regulation (EC) No. 1↳07/2006 (REACH), as amended.

12.6. Endocrine disrupting properties

Based on available data, the classification criteria for the mixture are not met. It does not contain components that may cause endocrine disruption in the environment. **12.7. Other**

adverse effects Prevent

product from entering the environment, water courses, drains or soil. See section 6.2

SECTION 13: Disposal considerations 13.1.

Waste treatment methods Check for possible

reuse. Product residues and contaminated packaging can be packaged, labeled and disposed of or recycled in accordance with national and local regulations. For larger volumes, consult the manufacturer for disposal. If contaminated packaging is passed on, the recipient must be informed of the risks arising from the material residues.

Waste legislation Act No. 1↩5/2001

Coll., on waste, as amended. Act 477/2001 Coll., on packaging, as amended. Decree No.

↳8/2016 Coll., on the Waste Catalogue. Decree No. ↳4/2016 Coll., on the assessment of hazardous properties of waste. Decree 3↩3/2001 Coll., on details of waste management Act No. 541/2020 Coll., on waste, as amended. Decree No. 3↩3/2001 Coll., on details of waste management, as amended. Decree No. ↩/2021 Coll., on the Waste Catalogue and assessment of waste properties (Waste Catalogue). Decision 2000/532/EC establishing a list of waste, as amended. Act No. 545/2020 Coll., amending Act No. 477/2001 Coll., on packaging and amending certain acts (Packaging Act), as amended. Decree No. 273/2021 Coll., on details of waste management, as amended.

SECTION 14: Transport information 14.1. UN number or ID number not subject to

transport regulations **14.2. UN proper shipping name**

not relevant

14.3. Transport hazard class(es)

not relevant **14.4.**

Packing group not relevant **14.5. Environmental**

hazards not relevant

14.6. Special precautions for user Reference in sections 4 to ↵

14.7. Bulk maritime transport according to IMO instruments Not applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixtures

Regulation (EC) No 1└07/2006 of the European Parliament and of the Council of 1↩December 2006 concerning the Registration, Evaluation, authorisation and restriction of chemicals, on the establishment of the European Chemicals Agency, on the amendment of Directive 1└↩/45/EC and repealing Council Regulation (EEC) No 7└8/└8, Commission Regulation (EC) No 14↩/└4, Council Directive 76/76└/EEC and Commission Directives └4/155/EEC, └8/67/EEC, └8/105/EC and 2000/21/EC, as amended. European Regulation of the European Parliament and of the Council (EC) No 1272/200↩ as amended. Regulation (EC) No 1272/200↩of the European Parliament and of the Council of 16 December 200↩on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/54↩/EEC and 1└↩/45/EC and amending Regulation (EC) No. 1└07/2006, as amended. Act No. 350/2011 Coll., on chemical substances and chemical mixtures and on amendments to certain acts (Chemical Act). Act No. 25↩/2000 Coll., on the protection of public health, as amended. Government Regulation No. 361/2007 Coll., which establishes the conditions for health protection at work, in as amended. Decree No. 3└↩/2025 Coll., amending Decree No. 415/2012 Coll., on the permissible level of pollution and its detection and the implementation of certain other provisions of the Air Protection Act, as amended. Act No. 541/2020 Coll., on waste, as amended. Act No. 201/2012 Coll., on air protection, as amended.
Decree No. 432/2003 Coll., which establishes the conditions for classifying works into categories, limit values of indicators biological exposure tests, conditions for collecting biological material for conducting biological exposure tests and the requirements for reporting work with asbestos and biological agents, as amended. Commission Regulation (EU) 2020/↩7↩of 1↩June 2020 amending Annex II to Regulation (EC) No 1└07/2006 of the European Parliament and of the Council on the registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

Not done

SECTION 16: Other information

List of standard hazard statements used in the safety data sheet

EUH211	Caution↩ Spraying may produce hazardous respirable droplets. Do not inhale. aerosols or mist.

Additional information important for human health and

The product may not - without the specific consent of the manufacturer/importer - be used for any purpose other than that specified in section 1. The user is responsible for complying with all relevant health regulations.

Legend to abbreviations and acronyms used in the safety data sheet

ADR	Agreement on the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration factor
TIME	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/200↩on classification, labelling and packaging of substances and mixtures European
EINECS	Inventory of Existing Commercial Chemical Substances
EMS	Emergency procedures on ships carrying dangerous goods
EC EU	The EC number is the numerical identifier of substances on the EC list European Union
EuPCS	European product classification system
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Bulk Carriers hazardous chemicals
ICAO	International Civil Aviation Organization
IMDG	International maritime transport of dangerous goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
log Kow	Octanol-water partition coefficient
NPK	Maximum permissible concentration
OEL	Workplace exposure limits
PBT	Persistent, bioaccumulative and toxic
PEL	Permissible exposure limit
PMT	Persistent, mobile and toxic
ppm	Number of particles per million (parts per million)
REACH	Registration, evaluation, authorisation and restriction of chemicals

RID	Regulations for the International Carriage of Dangerous Goods by Rail
UN number	Four-digit identification number of the substance or article taken from the Model Regulations United Nations
UVCB	A substance of unknown or variable composition, a complex reaction product, or biological material
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Highly persistent and highly mobile

Training guidelines

Inform workers about the recommended method of use, mandatory protective equipment, first aid and prohibited manipulations with the mixture.

Recommended restrictions on use

not specified

Information on the sources of data used in compiling the safety data sheet

Material safety data sheets, ECHA website, registration dossiers

Changes made (what information was added, deleted, or modified)

Version 4.0 replaces the version of the MSDS dated 11.0↵2022. Changes have been made to sections 1, 2, ↵, ↳ 11, 12, 13, 15 and 16.

Declaration

The safety data sheet contains information to ensure occupational health and safety and environmental protection.
The data provided corresponds to the current state of knowledge and experience and is in accordance with applicable legal regulations. They cannot be considered a guarantee of the suitability and usability of the product for a particular application.