

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

### 1.1 Product identifier

Trade name: TitanCare TSR

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

General use: Surface protection.  
Reserved for industrial and professional use.

### 1.3 Details of the supplier of the safety data sheet

Company name: Scutum Nano Solutions GmbH Europe

Street/POB-No.: Albertgasse 39/15

Postal Code, city: 1080 Wien

Austria

WWW: [www.scutumnano.com](http://www.scutumnano.com)

E-mail: [office@scutumnano.com](mailto:office@scutumnano.com)

Telephone: +43 1 96 19 74

Dept. responsible for information:

Thomas Gombas

Telephone: +43 1 96 19 74, E-mail: [thomas.gombas@scutumnano.com](mailto:thomas.gombas@scutumnano.com)

### 1.4 Emergency telephone number

**GIZ-Nord, Göttingen, Germany,  
Telephone: +49 551-19240**

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to EC regulation 1272/2008 (CLP)**

This mixture is classified as not hazardous.

### 2.2 Label elements

#### Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

#### Special labelling

EUH210 Safety data sheet available on request.

### 2.3 Other hazards

Larger quantities: May be harmful if inhaled.

Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: Aqueous solution

Additional information: Contains Silicon dioxide (Quartz (SiO<sub>2</sub>)) and Titanium dioxide: The maximum workplace exposure limits are, where necessary, listed in section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

In case of inhalation: Move victim to fresh air, provide oxygen as needed. Seek medical aid in case of troubles.

Following skin contact: Rinse skin with water. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Rinse mouth with water. Never give an unconscious person anything through the mouth. Call a doctor if you feel unwell. Do not induce vomiting.

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

Larger quantities: May be harmful if inhaled.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

The product itself does not burn. Extinguishing is to be in accordance with the surrounding fire.

### 5.2 Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Hazchem-Code: -

Cool endangered containers with water jetspray. Do not allow fire water to penetrate into surface or ground water.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe vapours or spray mist. Avoid contact with the substance. Wear appropriate protective equipment.

**6.2 Environmental precautions**

Do not allow to penetrate into soil, waterbodies or drains.

**6.3 Methods and material for containment and cleaning up**

Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance.

Additional information: Special danger of slipping by leaking/spilling product.

**6.4 Reference to other sections**

Refer additionally to section 8 and 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe vapours or spray mist. Avoid contact with the substance. Wear appropriate protective equipment.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place. Protect from heat and direct sunlight.  
Storage temperature: 15 °C - 25 °C

Hints on joint storage: Avoid contact with Acids.

**7.3 Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
13463-67-7	Titanium dioxide	Great Britain: WEL-TWA	10 mg/m <sup>3</sup> (inhalable fraction)
		Great Britain: WEL-TWA	4 mg/m <sup>3</sup> (respirable fraction)
		Ireland: 8 hours	10 mg/m <sup>3</sup> (inhalable fraction)
		Ireland: 8 hours	4 mg/m <sup>3</sup> (respirable fraction)
14808-60-7	Silicon dioxide (Quartz (SiO <sub>2</sub> ))	Great Britain: WEL-TWA	0.1 mg/m <sup>3</sup> (Silica, crystalline; respirable fraction)
		Ireland: 8 hours	0.1 mg/m <sup>3</sup>

**8.2 Exposure controls**

Provide adequate ventilation, and local exhaust as needed.

## Personal protection equipment

### Occupational exposure controls

Respiratory protection:	Respiratory protection must be worn whenever the WEL levels have been exceeded. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.
Hand protection:	Recommendation: Protective gloves according to EN 374. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to EN 166.
Body protection:	Wear suitable protective clothing.
General protection and hygiene measures:	Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Colour: light yellow
Odour:	No data available
Odour threshold:	No data available
pH value:	7.5 - 9.5
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	100 °C
Flash point/flash point range:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	30.7 hPa
Vapour density:	<= 1.0
Density:	1.0 - 1.1 g/mL
Water solubility:	easily soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing characteristics:	No data available

### 9.2 Other information

Additional information:	No data available
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

refer to 10.3

## 10.2 Chemical stability

Stable under recommended storage conditions.

## 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

## 10.4 Conditions to avoid

Protect against heat /sun rays. Protect from frost.

## 10.5 Incompatible materials

Acids

## 10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available

# SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

# SECTION 12: Ecological information

## 12.1 Toxicity

Further details: No data available

## 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information: Do not allow to penetrate into soil, waterbodies or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 16 10 02 = aqueous liquid wastes other than those mentioned in 16 10 01

Recommendation: Dispose of waste according to applicable legislation.

#### Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.5 Environmental hazards

Marine pollutant: no

#### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

Avoid contact with Acids.

Transportation temperature: < 40 °C. Protect from frost.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulations - Great Britain

Hazchem-Code:

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No data available

#### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

### SECTION 16: Other information

#### Further information

Reason of change: Changes in section 1: Use  
Changes in section 2: Labelling  
General revision

Date of first version: 13/11/2018

#### Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

