SAFETY DATA SHEET

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 15-Apr-2024 **Version** 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Terostat PC FRi 1K

Safety data sheet number OCPC00053

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

Recommended Use Sealant
Coating
Restricted to professional users

1.3. Details of the supplier of the safety data sheet

Supplier Address S.A. Henkel Belgium N.V.
Esplanade 1
1020 Brussel-Belgium
T +32 (2) 421 2711- F +32 (2) 420 7025
ua-productsafety.de@henkel.com

1.4. Emergency telephone number

Emergency Telephone (24 h): +32 70 222 076.

Emergency Telephone - §45 - (EC)1272/2008	
Europe	**112**
Austria	Vergiftungsinformationszentrale (Poisons Information Centre) +43 1 406 43 43
Belgium	Centre Anti-Poisons/Antigifcentrum/Giftnotrufzentralec/o Hôpital Central de la Base - Reine Astrid +32 70 245 245
Bulgaria	Национален токсикологичен информационен център (National Toxicological Information Centre)National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov" +359 2 9154 409
Croatia	Centar za kontrolu otrovanjaInstitut za medicinska istraživanja i medicinu rada +385 1 234 8342
Czech Republic	Toxikologické informační středisko +420 2 2491 9293/5402 +42 2 2491 5402
Denmark	GiftlinjenBispebjerg Hospital +45 82 12 12 12 +45 35 31 55 55
Finland	Myrkytystietokeskus +358 9 471 977
France	ORFILA Hôpital Fernand Widal +33 1 45 42 59 59
Germany	Giftnotruf der CharitéCharité-Universitätsmedizin - Campus Benjamin Franklin, Berlin +49 30 19240
Hungary	Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety)Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service) +36 80 20 11 99
Ireland	National Poisons Information CentreBeaumont Hospital +353 1 809 21 66 (public, 8am - 10pm, 7/7)+353 01 809 2566 (Professionals, 24/7)
Italy	Centro Antiveleni (Poisons Centre)Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore +39 06 305 4343
Latvia	Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs. +371 67042473
Lithuania	Apsinuodijimų kontrolės ir informacijos biuras +370 5 236 20 52/ +370 687 53378 +370 687 53378

Netherlands	Nationaal Vergiftigingen Informatie Centrum (NVIC)NB Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen +31 30 274 88 88
Norway	GiftinformasjonenGiftinformasjonssentralen (Helsedirektoratet) +47 22 591300
Poland	Informacji toksykologicznej (National Poisons Information Centre)The Nofer Institute of Occupational Medicine (Lòdz) +48 42 63 14 724
Portugal	Centro de Informação AntivenenosInstituto Nacional de Emergência Médica (INEM) 808 250 143 (Para uso apenas em Portugal),+351 21 330 3284
Romania	Biroul RSI si Informare ToxicologicaApelabil intre orele 8:00 – 15:00 +40 21 318 36 06 (Apelabil intre orele 8:00-15:00)
Russia	Информационно-консультативный токсикологический центр Министерства здравоохранения Российской Федерации (RTIAC)Министерство здравоохранения Российской Федерации (Ministry of Health of the Russian Federation) +74 959 28 16 87 (русский)
Saudi Arabia	The Regional Poison Control Center, Dammam (DPCC) +966 55 388 0087
Slovakia	Národné toxikologické informačné centrum (National Toxicological Information Centre) (NTIC)University Hospital Bratislava +421 254 77 41 66
Slovenia	Poison CentreDivision of Internal Medicine + 386 41 650 500
Spain	Servicio de Información ToxicológicaInstituto Nacional de Toxicología y Ciencias Forenses +34 91 562 04 20
Sweden	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital +46 833 12 31 (International) 112 - begär Giftinformation (National)
Switzerland	Centre Suisse d'Information ToxicologiqueSwiss Toxicological Information Centre 145 / +41 442 51 51 51
Turkey	Toxicology Department and Poisons Centre Refik Saydam Central Institute of Hygiene 0 800 314 7900 (Turkey) only+90 0312 433 70 01
United Kingdom	National Poisons Information Service (Newcastle Centre)Regional Drugs and Therapeutics Centre, Wolfson Unit 0844 892 0111 (UK only, 24/7, healthcare professionals only)

Section 2: HAZARDS IDENTIFICATION

2.1 Classification according to Regulation (EC) No. 1272/2008 (CLP)

Reproductive Toxicity	Category 2 - (H361fd)
Chronic aquatic toxicity	Category 3 -(H412)

2.2. Label elements

Signal word **Warning**

Hazard statements H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
H412 - Harmful to aquatic life with long lasting effects

Contains
Boron zinc hydroxide oxide.

Precautionary Statements P273 - Avoid release to the environment
P280 - Wear protective gloves and protective clothing

2.3. Other hazards

Other hazards
This preparation contains substances considered to be persistent, bioaccumulating and toxic (PBT)

Endocrine Disruptor Information
Octamethylcyclotetrasiloxane ,Cyclopentasiloxane
>=1%.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No.	CAS No.	Weight-%	2.1 Classification according to Regulation (EC) No. 1272/2008 (CLP)	REACH Registration Number
Zinc borate hydrate	-	138265-88-0	5 -< 10	Repr. 2 (H361fd) Aquatic Acute 1 (H400)\par Aquatic Chronic 2, H411 M acute=1	01-2119691658-19
5-ethyl-2,8-dimethyl-5-[(propan-2-ylideneamino)oxy]-4,6-dioxa-3,7-diaza-5-silanona-2,7-diene	-	58190-57-1	1 -< 5	STOT-RE 2 (H373)	01-2119982962-22
Titanium Dioxide	236-675-5	13463-67-7	0.1 -<1	Carc. 2 (H351i)	01-2119489379-17
Hexamethyldisiloxane	203-492-7	107-46-0	0.1-<1	Flam. Liq. 2, H225 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 M acute=1	01-2119496108-31
Cyclomethicone	209-136-7	556-67-2	0.01 -< 1	Repr. 2 (H361f) Aquatic Chronic 1 (H410) Flam. Liq 3, H226 M factor (Chron Aquat Tox) 10	01-2119529238-36

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- If symptoms persist, call a physician

Skin contact

- Wash with soap and water
- Remove contaminated clothing and shoes
- If skin irritation persists, call a physician

Eye contact

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
- Call a physician immediately

Ingestion

- Rinse mouth
- Drink 1 or 2 glasses of water
- **DO NOT** induce vomiting
- Get medical attention

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

Symptoms
- PROLONGED SKIN CONTACT MAY CAUSE IRRITATION
- May cause eye irritation
- H360Df - May damage the unborn child. Suspected of damaging fertility

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

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media
- Carbon dioxide (CO2)
- Alcohol resistant foam
- Extinguishing powder
- Water spray (fog)

Unsuitable extinguishing media Do not use straight streams

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical
- Not flammable
- Heating will cause a rise in pressure with a risk of bursting

Hazardous combustion products Carbon oxides. Nitrogen oxides (NOx). silicon dioxide.

5.3. Advice for firefighters

Special protective equipment for fire-fighters
- Use personal protective equipment as required
- Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear
- Cool drums with water spray
- Prevent fire extinguishing water from contaminating surface water or the ground water system

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
- Use personal protective equipment as required
- Use personal protections recommended in Section 8
- Stop leak if you can do it without risk
- Avoid contact with skin, eyes or clothing
- Evacuate personnel to safe areas
- Keep people away from and upwind of spill/leak
- Ventilate affected area

For emergency responders
- Ensure procedures and training for emergency decontamination and disposal are in place.
- Use personal protections recommended in Section 8

6.2. Environmental precautions

Environmental precautions
- Do not allow into any sewer, on the ground or into any body of water
- Local authorities should be advised if significant spillages cannot be contained

6.3. Methods and material for containment and cleaning up

Methods for containment
- Dike far ahead of liquid spill for later disposal
- Stop leak if you can do it without risk

Methods for cleaning up

• Take up mechanically, placing in appropriate containers for disposal
• Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
• Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

6.4. Reference to other sections

Reference to other sections

• See section 8 for more information
• See section 13 for more information

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

• Use with local exhaust ventilation
• Use personal protections recommended in Section 8
• Avoid contact with skin and eyes
• Avoid release to the environment
• Do not handle until all safety precautions have been read and understood

General Hygiene Considerations

• Handle in accordance with good industrial hygiene and safety practice
• Wash hands before breaks and immediately after handling products
• Do not eat, drink or smoke when using this product
• Take off all contaminated clothing and wash it before reuse
• Keep away from food, drink and animal feeding stuffs
• Keep working clothes separately

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

• Keep container tightly closed in a dry and well-ventilated place
• Bund storage facilities to prevent soil and water pollution in the event of spillage
• Keep in properly labeled containers

Incompatible materials

• None known based on information supplied

7.3. Specific end use(s)

Specific use(s)

• silicone

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical name	ACGIH	Australia	Austria	Belgium	Bulgaria
Titanium Dioxide 13463-67-7		10 mg/m³	TWA: 5 mg/m³ STEL 10 mg/m³	10 mg/m³ TWA	TWA: 10.0 mg/m³
Chemical name	**Croatia**	**Czech Republic**	**Denmark**	**Finland**	**France**
Titanium Dioxide 13463-67-7	TWA: 10 mg/m³ TWA: 4 mg/m³		TWA: 6 mg/m³		TWA: 10 mg/m³
Chemical name	**Germany**	**Greece**	**Hungary**	**Ireland**	**Italy**
Titanium Dioxide 13463-67-7	TWA: 1.25 mg/m³ TWA: 10 mg/m³	TWA 10 mg/m³ TWA 5 mg/m³		TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³	
Chemical name	**Latvia**	**Lithuania**	**Netherlands**	**Norway**	**Poland**
Titanium Dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 5 mg/m³		TWA: 5 mg/m³ STEL: 10 mg/m³	TWA: 10 mg/m³
Chemical name	**Portugal**	**Romania**	**Russia**	**Slovakia**	**Slovenia**
Titanium Dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 10 mg/m³ STEL: 15 mg/m³	TWA: 10 mg/m³	TWA: 5 mg/m³	
Chemical name	**Spain**	**Sweden**	**Switzerland**	**United Kingdom**	

Titanium Dioxide 13463-67-7	TWA: 10 mg/m³	TLV: 5 mg/m³	TWA: 3 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³	

Derived No Effect Level (DNEL) • No information available

Predicted No Effect Concentration (PNEC) • No information available

8.2. Exposure controls

Engineering Controls
• Ensure adequate ventilation, especially in confined areas
• Showers
Eyewash stations
Ventilation systems

Personal protective equipment

Eye/face protection
• Wear safety glasses with side shields (or goggles)
• (EN 166)

Hand Protection
• Wear protective gloves
• Gloves must conform to standard EN 374
• Wear protective nitrile rubber gloves
• Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves

Skin and body protection
• Wear protective gloves and protective clothing
• EN 14604
EN13982

Respiratory protection
• Ensure adequate ventilation, especially in confined areas
• In case of insufficient ventilation, wear suitable respiratory equipment
• Filter type:
• A (EN 14387)

Environmental exposure controls • No information available

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	Gray
Odor	Characteristic.
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	> 100 °C	None known
Evaporation rate	Not applicable	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	None known
Density VALUE	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	Not applicable	None known

Decomposition temperature	No data available	None known
Viscosity	Not determined	None known
Dynamic viscosity	No data available	
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

Softening point	No information available
Molecular weight	No information available
VOC	< 3 %
Liquid Density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity • Reacts with oxidizers, halones and acids by generating heat

10.2. Chemical stability

Stability • Stable under normal conditions

Explosion data

Sensitivity to Mechanical Impact • No
Sensitivity to Static Discharge • No

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions • None under normal processing conditions

10.4. Conditions to avoid

Conditions to avoid • Extremes of temperature and direct sunlight

10.5. Incompatible materials

Incompatible materials • No information available

10.6. Hazardous decomposition products

Hazardous Decomposition Products • Carbon oxides
• Nitrogen oxides (NOx)

Section 11: TOXICOLOGICAL INFORMATION

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

Product Information	**Product does not present an acute toxicity hazard based on known or supplied information**
Ingestion	No data available.
Skin corrosion/irritation	No information available
Serious eye damage/eye irritation	No information available.
Sensitization	No information available
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

Reproductive toxicity Product is or contains a chemical which is a known or suspected reproductive hazard.

STOT - single exposure No information available

STOT - repeated exposure No information available.

Aspiration hazard No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Chemical name	Oral LD50	LD50/dermal/rat - NO UNITS (Wizards mg/kg)	Inhalation LC50
Titanium Dioxide	> 10000 mg/kg (Rat)		= 5.09 mg/L (Rat) 4 h
Hexamethyldisiloxane	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 15956 ppm (Rat) 4 h
Cyclomethicone	= 1540 mg/kg (Rat)	> 2375 mg/kg (Rat)	= 36 mg/L (Rat) 4 h

11.2 Information on other hazards

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Titanium Dioxide	100 mg/l (Algae)	-	-
Hexamethyldisiloxane	-	3.02: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-
Cyclomethicone	-	500: 96 h Brachydanio rerio mg/L LC50 1000: 96 h Lepomis macrochirus mg/L LC50	-

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical name	Partition coefficient
Hexamethyldisiloxane	5.06
Cyclomethicone	6.488

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

12.6. Other adverse effects

Other adverse effects No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products	• Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	• Disposal should be in accordance with applicable regional, national and local laws and regulations
Waste codes / waste designations according to EWC / AVV	• Waste codes should be assigned by the user based on the application for which the product was used • The following Waste Codes are only a suggestion: • 08 04 09

Section 14: TRANSPORT INFORMATION

IMDG

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	No
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	No

ADR

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	No

IATA

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	No

Section 15: REGULATORY INFORMATION

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

National regulations

Germany

Water hazard class (WGK) hazardous to water (WGK 2)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Titanium Dioxide - 13463-67-7	75.	
Cyclomethicone - 556-67-2	70. 75.	

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

15.2. Chemical safety assessment

Chemical Safety Report
No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H319 - Causes serious eye irritation
H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child
H400 - Very toxic to aquatic life
H225 - Highly flammable liquid and vapor
H302 - Harmful if swallowed
H311 - Toxic in contact with skin
H332 - Harmful if inhaled
H314 - Causes severe skin burns and eye damage
H412 - Harmful to aquatic life with long lasting effects

Legend

*****	Skin designation	**Ceiling**	Maximum limit value
STEL	STEL (Short Term Exposure Limit)	**TWA**	TWA (time-weighted average)

Revision Date 15-Apr-2024

Revision Note Update of document format

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet