

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



SYSTEM TENSIOPUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

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

1.1 Product identifier

Trade name : SYSTEM TENSIOPUS 20 L
UFI : GVVH6-A0PJ-M00C-52D8

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

Use of the Substance/Mixture : Cleaning agent
Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company : Tana Chemie GmbH
Rheinallee 96
55120 Mainz
Telephone : +49613196403
Telefax : +4961319642526
E-mail address : Produktsicherheit@werner-mertz.com
Responsible/issuing person
Contact person : Product development / product safety

1.4 Emergency telephone

EU: 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.
Short-term (acute) aquatic hazard, Category 1 H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H318 Causes serious eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements : P102 Keep out of reach of children.

SYSTEM TENSIOPUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

Prevention:

P280

Wear eye protection/ face protection.

Response:

P305 + P351 + P338 + P310

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P391

Collect spillage.

Disposal:

P501

Dispose of container into the collection of recyclables only when it is completely empty.

Hazardous ingredients which must be listed on the label:

Alcohols, C13-15, branched
and linear, ethoxylated

Safety data sheet available on request.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Alcohols, C13-15, branched and linear, ethoxylated	157627-86-6 500-337-8	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412 specific concentration limit Eye Dam. 1; H318 > 10 %	>= 50 - < 70
Alcohols, C13-15, branched and linear, ethoxylated	157627-86-6 500-337-8	Skin Irrit. 2; H315 Aquatic Chronic 3;	>= 15 - < 20

SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

		H412 Aquatic Acute 1; H400 Eye Dam. 1; H318 M-Factor (Acute aquatic toxicity): 1 specific concentration limit Eye Irrit. 2; H319 >= 10,0 % Aquatic Acute 1; H400 >= 25,0 % Aquatic Chronic 3; H412 >= 25,0 %	
Substances with a workplace exposure limit :			
(2-methoxymethylethoxy)propanol	34590-94-8 252-104-2 01-2119450011-60		>= 15 - < 20

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
Protect unharmed eye.
Continue rinsing eyes during transport to hospital.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : corrosive effects
Irritation

- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



SYSTEM TENSIOPUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).

SYSTEM TENSIOPUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
(2-methoxymethylethoxy)propanol	Not Assigned	TWA	50 ppm 308 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 308 mg/m ³	
	Further information: Dermal absorption possible			
			100 ppm	
	Further information: Dermal absorption possible			
		STEL	150 ppm	

SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

	Further information: Dermal absorption possible			
			100 ppm	
	Further information: Recommended exposure limit			
		STEL	150 ppm 900 mg/m ³	
		STEL	50 ppm 310 mg/m ³	

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of exposure	Potential health effects	Value
(2-methoxymethylethoxy)propanol	Workers	Skin contact	Long-term systemic effects	65 mg/kg
	Workers	Inhalation	Long-term systemic effects	310 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	15 mg/kg
	Consumers	Ingestion	Long-term systemic effects	1,67 mg/kg
	Consumers	Inhalation	Long-term systemic effects	37,2 mg/m ³
	Workers	Inhalation	Long-term systemic effects	308 mg/m ³
	Workers	Skin contact	Long-term systemic effects	283 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	121 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	36 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
(2-methoxymethylethoxy)propanol	Fresh water	19 mg/l
	Sea water	1,9 mg/l

SYSTEM TENSIOPUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

	Fresh water sediment	70,2 mg/kg
	Sea sediment	7,02 mg/kg
	Soil	2,74 mg/kg
	intermittent release	190 mg/l
	STP	4168 mg/l

8.2 Exposure controls

Personal protective equipment

Eye/face protection : If splashes are likely to occur, wear:
Tightly fitting safety goggles

Hand protection

Material : For prolonged or repeated contact use protective gloves.
It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : Not required; except in case of aerosol formation.
Recommended Filter type:
ABEK-P3-filter

SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid, viscous
Color	: blue
Odor	: characteristic
Melting point/freezing point	: No data available
Boiling point/boiling range	: No information available.
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flash point	: does not flash
Ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: ca. 7, 100 % at 20 °C
Viscosity, dynamic	: ca. 95 mPa.s
Viscosity, kinematic	: No data available
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Vapor pressure	: No data available
Density	: ca. 0,98 g/cm ³
Relative density	: No data available
Relative vapor density	: No data available
Particle characteristics	: No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Our company is strongly against animal testing.
Our company does not place any orders for animal testing for the finished product or the ingredients.
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

Alcohols, C13-15, branched and linear, ethoxylated

157627-86-6:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg
LD50 Oral (Rat): 300 - 5.000 mg/kg

Alcohols, C13-15, branched and linear, ethoxylated

157627-86-6:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

(2-methoxymethylethoxy)propanol

34590-94-8:

Acute oral toxicity : LD50 (Dog): 7.500 mg/kg
LD50 (Rat): > 5.000 mg/kg
Method: OECD Test Guideline 401
LD50 (Rat): 5.135 mg/kg
Acute inhalation toxicity : LC50 (Rat): 55 - 60 mg/l
Exposure time: 4 h

SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

LC50 (Rat): 3,35 mg/l
Exposure time: 7 h

Acute dermal toxicity : LD50 Dermal (Rabbit): 19.000 mg/kg

LD50 (Rabbit, males): 9.510 mg/kg
Method: OECD Test Guideline 402

LD50 (Rabbit): 14.000 mg/kg

LD50 (Rat): > 19.020 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Product:

Remarks : May cause skin irritation in susceptible persons.

Components:

(2-methoxymethylethoxy)propanol

34590-94-8:

Remarks : No skin irritation

Serious eye damage/eye irritation

Product:

Remarks : May cause irreversible eye damage.

Components:

(2-methoxymethylethoxy)propanol

34590-94-8:

Result : Mild eye irritation

Respiratory or skin sensitization

Product:

Remarks : No data available

Germ cell mutagenicity : Not Rated

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated

STOT-single exposure

STOT-single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

SYSTEM TENSIOPUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

Components:

(2-methoxymethylethoxy)propanol

34590-94-8:

Assessment : May cause drowsiness or dizziness.

STOT-repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

(2-methoxymethylethoxy)propanol

34590-94-8:

Species : Rat
NOAEL : 1.000 mg/kg
Application Route : Oral
Exposure time : 28 d

Species : Rat
NOAEL : 1.000 mg/kg
Application Route : Oral
Exposure time : 90 d

Species : Rabbit
NOAEL : 2.850 mg/kg
Application Route : Skin contact

Aspiration toxicity : Not Rated

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Product:

Remarks : No data available

Components:

(2-methoxymethylethoxy)propanol

34590-94-8:

Remarks : Inhalation of aerosols may cause irritation to mucous membranes.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



SYSTEM TENSIOPUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

SECTION 12: Ecological information

12.1 Toxicity

Components:

Alcohols, C13-15, branched and linear, ethoxylated, Alcohols, C13-15-branched and linear, ethoxylated (7 EO), Alcohols, C13-15-branched and linear, ethoxylated

157627-86-6:

Toxicity to fish	:	LC50 (Brachydanio rerio): 1 - 10 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 1 - 10 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Scenedesmus subspicatus): 1 - 10 mg/l Exposure time: 72 h
Toxicity to microorganisms	:	EC10 (activated sludge): > 1.000 mg/l
Toxicity to fish (Chronic toxicity)	:	NOEC: 0,1 - 1 mg/l Species: Fish

Alcohols, C13-15, branched and linear, ethoxylated, Alcohols, C13-15-branched and linear, ethoxylated (3 EO), Alcohols, C13-15-branched and linear, ethoxylated

157627-86-6:

Toxicity to fish	:	LC50 (Brachydanio rerio): 1 - 10 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,1 - 1 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Scenedesmus subspicatus): 0,1 - 1 mg/l Exposure time: 72 h Test Type: Growth inhibition
M-Factor (Acute aquatic toxicity)	:	1
Toxicity to microorganisms	:	EC10 (Pseudomonas putida): > 10.000 mg/l Exposure time: 16 h
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 0,1 - 1 mg/l

(2-methoxymethylethoxy)propanol

34590-94-8:

Toxicity to fish	:	(Pimephales promelas (fathead minnow)): > 10.000 mg/l Exposure time: 96 h Test Type: static test
		LC50 (Poecilia reticulata (guppy)): > 1.000 mg/l Exposure time: 96 h Test Type: static test
		(Fish): > 1.000 mg/l Exposure time: 96 h Test Type: static test

SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.919 mg/l
Exposure time: 48 h
Test Type: static test
- EC50 (Crangon crangon (shrimp)): > 1.000 mg/l
Exposure time: 96 h
Test Type: semi-static test
- NOEC (Daphnia magna (Water flea)): > 0,5 mg/l
Exposure time: 22 d
- Toxicity to algae/aquatic plants : (Pseudokirchneriella subcapitata (microalgae)): > 969 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201
- (Selenastrum capricornutum): 1.000 mg/l
Exposure time: 72 h
- EC50 (Skeletonema costatum (marine diatom)): 6.999 mg/l
Exposure time: 72 h
- EC50 (Selenastrum capricornutum (green algae)): 969 mg/l
Exposure time: 96 h
- EC50 (Pseudokirchneriella subcapitata (green algae)): > 969 mg/l
Exposure time: 72 h
- NOEC (Pseudokirchneriella subcapitata (green algae)): 969 mg/l
Exposure time: 72 h
- Toxicity to microorganisms : EC10 (Pseudomonas putida): 4.168 mg/l
Exposure time: 18 h
Test Type: Growth inhibition
- EC50 (No data available): > 100 mg/l
- EC20 (activated sludge): > 1.000 mg/l
Method: OECD Test Guideline 209
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 12 mg/l
Species: Daphnia magna (Water flea)
- NOEC: >= 0,5 mg/l
Exposure time: 22 d
Species: Daphnia magna (Water flea)
- Lowest Observed Effect Concentration: > 0,5 mg/l
Exposure time: 22 d
Species: Daphnia magna (Water flea)

12.2 Persistence and degradability

Product:

- Biodegradability : Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



SYSTEM TENSIOPUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

Components:

Alcohols, C13-15, branched and linear, ethoxylated, Alcohols, C13-15-branched and linear, ethoxylated (7 EO), Alcohols, C13-15-branched and linear, ethoxylated

157627-86-6:

Biodegradability : Remarks: The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Biochemical Oxygen Demand (BOD) : 390 mg/g

Chemical Oxygen Demand (COD) : 2.060 mg/g

Alcohols, C13-15, branched and linear, ethoxylated, Alcohols, C13-15-branched and linear, ethoxylated (3 EO), Alcohols, C13-15-branched and linear, ethoxylated

157627-86-6:

Biodegradability : Biodegradation: > 90 %
Method: OECD Test Guideline 303A
Remarks: The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Biochemical Oxygen Demand (BOD) : 1.290 mg/g

Chemical Oxygen Demand (COD) : 2.660 mg/g

(2-methoxymethylethoxy)propanol

34590-94-8:

Biodegradability : Result: Readily biodegradable.
Biodegradation: > 70 %
Exposure time: 28 d
Method: OECD 301 E

Biodegradation: 75 %
Exposure time: 28 d
Method: OECD 301 F

Biodegradation: 93 %
Exposure time: 13 d
Method: OECD 302 B

Result: rapidly biodegradable
Biodegradation: 91 %
Exposure time: 28 d
Method: EN ISO 14593: CO₂-Headspace-Test

Result: rapidly biodegradable
Biodegradation: 75 %
Exposure time: 10 d

SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

Method: OECD 301 F

12.3 Bioaccumulative potential

Components:

(2-methoxymethylethoxy)propanol

34590-94-8:

Bioaccumulation : Bioconcentration factor (BCF): 100
Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : log Pow: -0,35

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:

(2-methoxymethylethoxy)propanol

34590-94-8:

Assessment : Not very persistent and very bioaccumulative (vPvB).. Not persistent, bioaccumulative, and toxic (PBT).

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Very toxic to aquatic organisms.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.

SYSTEM TENSIOPUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Waste Code : European Waste Catalog
20 01 29*
According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR : 3082
IMDG : 3082
IATA : 3082

14.2 UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Alcohols, C12-15, ethoxylated (7 EO))
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Alcohols, C12-15, ethoxylated)
IATA : Environmentally hazardous substance, liquid, n.o.s.

14.3 Transport hazard class(es)

ADR : 9
IMDG : 9
IATA : 9

14.4 Packing group

ADR
Classification Code : M6
Packaging group : III
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (-)
IMDG
Packaging group : III
Labels : 9
EmS Number : F-A, S-F
IATA
(Cargo) : Environmentally hazardous substance, liquid, n.o.s.
Packaging group : III
Labels : 9

14.5 Environmental hazards

ADR
Environmentally hazardous : yes
IMDG
Marine pollutant : yes
IATA
Environmentally hazardous : yes

SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

For personal protection see section 8.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

		Quantity 1	Quantity 2
9a	Dangerous for the environment	100 000067	200 000067

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1	ENVIRONMENTAL HAZARDS	100 000067	200 000067
----	-----------------------	------------	------------

TA Luft List (Germany) :

- Total dust: Not applicable
- Inorganic substances in powdered form: Not applicable
- Inorganic substances in vapor or gaseous form: Not applicable
- Organic Substances: Not applicable
- Carcinogenic substances: Not applicable
- mutagenic: Not applicable
- Toxic to reproduction: : < 0,01 %

Volatile organic compounds (VOC) content :

- Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)
- Update: Percent volatile: 15 %
- 172,26 g/l
- VOC content excluding water

Volatile organic compounds (VOC) content :

- Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)
- Update: Percent volatile: 15 %
- 147 g/l
- VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : >=30% non-ionic surfactants, optical brighteners

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

15.2 Chemical Safety Assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

H302	:	Harmful if swallowed.
H315	:	Causes skin irritation.
H318	:	Causes serious eye damage.
H400	:	Very toxic to aquatic life.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Skin Irrit.	:	Skin irritation
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2000/39/EC / TWA	:	Limit Value - eight hours

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Eye Dam. 1	H318
Aquatic Acute 1	H400
Aquatic Chronic 3	H412

Classification procedure:

Calculation method
Calculation method
Calculation method

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended



SYSTEM TENSIOPPLUS 20 L

WM 1113269

Order number: 0713269

Version 5.2

Revision Date 15.07.2026

Print Date 16.07.2026

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REG_EU / EN

500000002179