



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

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

#### 1.1 Product identifier

Trade name : TANEX VIVACERAM  
UFI : G861-007S-S00Q-5J9T

Identification number : 61736

#### 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 : +4961319642414  
E-mail address : Produktsicherheit@werner-mertz.com  
Responsible/issuing person  
Contact person : Product development / product safety

#### 1.4 Emergency telephone number

112  
Centru za kontrolu otrovanja u Zagrebu na tel. (01) 2348 342  
+49(0)6131-19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture


##### Classification (REGULATION (EC) No 1272/2008)

Corrosive to metals, Category 1 H290: May be corrosive to metals.

Skin corrosion, Sub-category 1B H314: Causes severe skin burns and eye damage.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : 

Signal word : Danger

Hazard statements : H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

Precautionary statements	:	P102	Keep out of reach of children.
		<b>Prevention:</b>	
		P264	Wash hands thoroughly after handling.
		P280	Wear protective gloves/ eye protection/ face protection.
		<b>Response:</b>	
		P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
		P310	Immediately call a POISON CENTER or doctor/ physician.
		<b>Disposal:</b>	
		P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

Alcohols, C6-12, ethoxylated  
(5 EO)  
Sodium metasilicate,  
pentahydrate

Safety data sheet available on request.

### 2.3 Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
tetrapotassium pyrophosphate	7320-34-5 230-785-7 01-2119489369-18	Eye Irrit. 2; H319	>= 2 - < 5
Alcohols, C6-12, ethoxylated (5 EO)	68439-45-2	Eye Dam. 1; H318 Acute Tox. 4; H302	>= 2 - < 3
Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride	1554325-20-0	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 2
Sodium metasilicate, pentahydrate	10213-79-3 01-2119449811-37	Met. Corr. 1; H290 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335	>= 1 - < 2



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

sodium hydroxide	1310-73-2 215-185-5 01-2119457892-27	Met. Corr. 1; H290 Skin Corr. 1A; H314  SCL >= 5 % 1A; H314 2 - < 5 % 1B; H314 0,5 - < 2 % 2; H315 0,5 - < 2 % 2; H319	>= 0,5 - < 1
Substances with a workplace exposure limit :			
(2-methoxymethylethoxy)propanol	34590-94-8 252-104-2 01-2119450011-60		>= 2 - < 5

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this 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.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- 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 induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.

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

- Symptoms : corrosive effects
- 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.



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

### 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 firefighting : 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 firefighters : 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.  
Evacuate personnel to safe areas.

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

#### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Neutralise with acid.  
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 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.



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

- 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.
- Other data : No decomposition if stored and applied as directed. Protect from frost.

### 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
PPG-2 METHYL ETHER	Not Assigned	TWA	50 ppm 308 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 308 mg/m <sup>3</sup>	
	Further information: Dermal absorption possible			
			100 ppm	
	Further information: Dermal absorption possible			
		STEL	150 ppm	
	Further information: Dermal absorption possible			



**TANEX VIVACERAM**

**WM 0713855**

**Order number: 0713855**

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

			100 ppm	
Further information: Recommended exposure limit				
		STEL	150 ppm	
			900 mg/m <sup>3</sup>	
		STEL	50 ppm	
			310 mg/m <sup>3</sup>	

**8.2 Exposure controls**

**Personal protective equipment**

Eye protection : Tightly fitting safety goggles

Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

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 : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 Remove and wash contaminated clothing before re-use.

Respiratory protection : Not required; except in case of aerosol formation.

Recommended Filter type:

ABEK-P3-filter



## **TANEX VIVACERAM**

**WM 0713855**

**Order number: 0713855**

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

### **SECTION 9: Physical and chemical properties**

#### **9.1 Information on basic physical and chemical properties**

Appearance	: liquid
Colour	: yellow-orange
Odour	: characteristic
Odour Threshold	: No data available
pH	: ca. 11,2, 1 % at 20 °C
Melting point/range	: No data available
Boiling point/boiling range	: No information available.
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: No data available
Burning rate	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: ca. 1,045 g/cm <sup>3</sup> at 20 °C
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: 186 mPa.s at 20 °C
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

### 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.

### 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 : Protect from frost.

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.  
Other information : No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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.

#### Product

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

Skin corrosion/irritation : Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation : May cause irreversible eye damage.

Respiratory or skin sensitisation : No data available

Germ cell mutagenicity : Not Rated

Carcinogenicity : Not Rated

Reproductive toxicity : Not Rated





## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

- STOT - single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.
- STOT - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
- Aspiration toxicity : Not Rated
- Further information : No data available

### Components:

#### **tetrapotassium pyrophosphate 7320-34-5:**

- Acute oral toxicity : LD50 Oral Rat: > 2.000 mg/kg  
LD50 Mouse: > 2.000 mg/kg
- Acute inhalation toxicity : LC50 Rat: 1,1 mg/l  
Method: OECD Test Guideline 403
- Acute dermal toxicity : LD50 Dermal Rabbit: > 7.940 mg/kg  
LD50 Dermal Rabbit: > 2.000 mg/kg  
Method: OECD Test Guideline 402
- Skin corrosion/irritation : Result: Mild skin irritation  
Result: No skin irritation
- Serious eye damage/eye irritation : Result: Eye irritation

#### **Alcohols, C6-12, ethoxylated (5 EO) 68439-45-2:**

- Acute oral toxicity : LD50 Oral Rat: > 300 - 2.000 mg/kg
- Acute dermal toxicity : LD50 Dermal Rat: > 2.000 mg/kg

#### **Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride 1554325-20-0:**

- Acute oral toxicity : LD50 Rat: > 300 - 2.000 mg/kg
- Skin corrosion/irritation : Result: Skin irritation
- Serious eye damage/eye irritation : Result: Risk of serious damage to eyes.
- Respiratory or skin sensitisation : Result: Does not cause skin sensitisation.



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

Germ cell mutagenicity

Genotoxicity in vitro : Type: Ames test  
Result: negative

### **Sodium metasilicate, pentahydrate** **10213-79-3:**

Acute oral toxicity : LD50 Rat: 1.152 - 1.349 mg/kg

Acute inhalation toxicity : LC50 Rat: 2,06 mg/l

Acute dermal toxicity : LD50 Rat: > 5.000 mg/kg

### **sodium hydroxide** **1310-73-2:**

Acute oral toxicity : LD50 Oral Rat: 2.000 mg/kg

Skin corrosion/irritation : Result: Corrosive

Serious eye damage/eye irritation : Result: Corrosive

### **(2-methoxymethylethoxy)propanol** **34590-94-8:**

Acute oral toxicity : LD50 Dog: 7.500 mg/kg

LD50 Rat: 5.130 mg/kg

LD50 Rat: 5.135 mg/kg

Acute inhalation toxicity : LC50 Rat: 55 - 60 mg/l  
Exposure time: 4 h

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

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

LD50 Dermal Rat: 9.500 mg/kg

LD50 Rabbit: 9.510 mg/kg

LD50 Rabbit: 14.000 mg/kg

Skin corrosion/irritation : No skin irritation

Serious eye damage/eye irritation : Result: No eye irritation



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

Respiratory or skin sensitisation : Result: Does not cause skin sensitisation.

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **tetrapotassium pyrophosphate 7320-34-5:**

- Toxicity to fish : LC0 (Leuciscus idus (Golden orfe)): > 750 mg/l  
Exposure time: 48 h  
  
LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : ErC50 : > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
  
NOEC : > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to bacteria : (activated sludge): > 1.000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209
- Toxicity to fish (Chronic toxicity) : 100 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 203

##### **Alcohols, C6-12, ethoxylated (5 EO) 68439-45-2:**

- Toxicity to fish : LC50 (Fish): > 10 - 100 mg/l
- Toxicity to algae : EC50 : > 10 - 100 mg/l
- Toxicity to bacteria : EC50 : 10 - 100 mg/l

##### **Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride 1554325-20-0:**

- Toxicity to fish : LC50 (Fish): > 10 - 100 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): > 1 - 10 mg/l  
Exposure time: 48 h
- Toxicity to algae : EC50 : > 1 - 10 mg/l  
Exposure time: 72 h

##### **Sodium metasilicate, pentahydrate**



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

### 10213-79-3:

Toxicity to fish : LC50 (Brachydanio rerio): 210 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.700 mg/l  
Exposure time: 48 h

### sodium hydroxide

#### 1310-73-2:

Toxicity to fish : LC50 (Fish): 33 - 189 mg/l  
Exposure time: 96 h

LC50 (Gambusia affinis (Mosquito fish)): 125 mg/l  
Exposure time: 96 h

LC50 (Poecilia reticulata (guppy)): 76 mg/l  
Exposure time: 24 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 40,4 mg/l

EC50 (Daphnia magna (Water flea)): 76 mg/l  
Exposure time: 24 h

Toxicity to bacteria : EC50 (Photobacterium phosphoreum): 22 mg/l  
Exposure time: 15 min

### (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

(Poecilia reticulata (guppy)): > 1.000 mg/l  
Exposure time: 96 h  
Test Type: static test

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 : (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

Toxicity to bacteria : EC10 (Pseudomonas putida): 4.168 mg/l



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

Exposure time: 18 h  
Test Type: Growth inhibition

EC50 (No data available): > 100 mg/l

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.

#### Components:

##### **tetrapotassium pyrophosphate 7320-34-5:**

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

##### **Alcohols, C6-12, ethoxylated (5 EO) 68439-45-2:**

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.

##### **Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride 1554325-20-0:**

Biodegradability : Result: rapidly biodegradable  
Method: OECD 301 D

##### **sodium hydroxide 1310-73-2:**

Biodegradability : Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.

##### **(2-methoxymethylethoxy)propanol 34590-94-8:**

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

Biodegradation: 75 %



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

Exposure time: 28 d  
Method: OECD 301 F

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

### 12.3 Bioaccumulative potential

#### Components:

##### **tetrapotassium pyrophosphate**

**7320-34-5:**

Bioaccumulation : Remarks: Does not bioaccumulate.

##### **Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride**

**1554325-20-0:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

##### **sodium hydroxide**

**1310-73-2:**

Bioaccumulation : Species: Fish  
Remarks: No bioaccumulation is to be expected (log Pow <= 4).

##### **(2-methoxymethylethoxy)propanol**

**34590-94-8:**

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

Partition coefficient: n-  
octanol/water : log Pow: 1,01

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Components:

##### **Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride**

**1554325-20-0:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

##### **(2-methoxymethylethoxy)propanol**

**34590-94-8:**

Assessment : This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT)..

### 12.6 Other adverse effects

#### Product:

Additional ecological information : There is no data available for this product.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

Do not contaminate ponds, waterways or ditches with chemical or used container.  
In accordance with local and national regulations.

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

### SECTION 14: Transport information

#### 14.1 UN number

ADR : 3266  
IMDG : 3266  
IATA : 3266

#### 14.2 Proper shipping name

ADR : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(Sodium metasilicate, pentahydrate)  
IMDG : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(Sodium metasilicate, pentahydrate)  
IATA : Corrosive liquid, basic, inorganic, n.o.s.

#### 14.3 Transport hazard class

ADR : 8  
IMDG : 8  
IATA : 8

#### 14.4 Packing group

ADR  
Classification Code : C5  
Packaging group : II  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)  
IMDG  
Packaging group : II  
Labels : 8  
EmS Number : F-A, S-B  
IATA  
(Cargo) : Corrosive liquid, basic, inorganic, n.o.s.  
Packaging group : II  
Labels : 8

#### 14.5 Environmental hazards

ADR  
Environmentally hazardous : no  
IMDG  
Marine pollutant : no  
IATA  
Environmentally hazardous : no

#### 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



## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

For personal protection see section 8.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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, preparations and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

TA Luft List (Germany) : Total dust: Not applicable  
: Inorganic substances in powdered form: Not applicable  
: Inorganic substances in vapour or gaseous form: Not applicable  
: Organic Substances: : portionClass 1: < 0,01 %  
: Carcinogenic substances: Not applicable  
: Mutagenic: Not applicable  
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Update: Percent volatile: 3,05 %  
303,17 g/l  
VOC content excluding water

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Update: Percent volatile: 3,05 %  
31,88 g/l  
VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : <5% phosphates, Cationic surfactants, Non-ionic surfactants, Perfumes, AMYL CINNAMAL, LIMONENE

GISBAU (D) : GG 70

### 15.2 Chemical safety assessment

There is no data available for this product.

## SECTION 16: Other information

Full text of H-Statements





## TANEX VIVACERAM

WM 0713855

Order number: 0713855

Version 6.5

Revision Date 30.03.2022

Print Date 11.08.2022

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

### Further information

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Classification procedure:	H290	On basis of test data.
	H314	On basis of test data.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European 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 Standardisation; 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 Organisation 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, Authorisation 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

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.