

# Safety Data Sheet

## TECHNOFLUOR ADAMTS13 Activity



SDS No. FA00.01  
p 1/7 EN

Temp.: TF0366.01  
Att. 01 to D00068

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name/Reference No. TECHNOFLUOR ADAMTS13 Activity 25 T. REF 5800100  
Product Components  
Component 1 TECHNOFLUOR ADAMTS13 Buffer 2 x 3 mL  
Component 2 TECHNOFLUOR ADAMTS13 Substrate 2 x 1 mL

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

Identified Use(s) For professional users only  
Uses Advised Against Not known.

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

Manufacturer

Company Identification Technoclone Herstellung von Diagnostika und Arzneimitteln GmbH  
Address of Manufacturer Brunner Strasse 67  
1230 Vienna  
Austria  
Postal code 1230  
Telephone: +43 1 86373-0  
Fax +43 1 86373-44  
E-mail products@technoclone.com  
Office hours 8:00 – 16:00

#### 1.4 Emergency telephone number

Emergency Phone No. +43 1 86373-0  
Contact products@technoclone.com  
National response center  
Address NHS Direct  
Emergency Phone No. +44 111

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Component 1 TECHNOFLUOR ADAMTS13 Buffer Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use  
Component 2 TECHNOFLUOR ADAMTS13 Substrate Not classified as dangerous for supply/use

#### 2.2 Label elements

Product Name According to Regulation (EC) No. 1272/2008 (CLP) TECHNOFLUOR ADAMTS13 Activity  
Hazard Pictogram(s) None.

#### 2.3 Other hazards

None known.

#### 2.4 Additional Information

Component 1 TECHNOFLUOR ADAMTS13 Buffer The usual precautions for handling chemicals should be observed.  
Component 2 TECHNOFLUOR ADAMTS13 Substrate The usual precautions for handling chemicals should be observed.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable.

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### 3.2 Mixtures

Component	HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Component 1 TECHNOFLUOR ADAMTS13 Buffer	Bis-Tris	6976-37-0	Reach No: 01-2120768016 - 54-XXXX	< 0,5 %	Serious eye damage Cat 1, H318*	GHS05
	CaCl <sub>2</sub> .2H <sub>2</sub> O	1003504-8	233-140-8/ 01- 2119494219-28- xxxx	< 0,5 %	Eye irritant Cat 2, H319*	GHS07
	NaN <sub>3</sub>	26628-22- 8	247-852-1/01- 2119457019-37- xxxx	< 0,05 %	Acute Oral Toxicity Cat 2, H300*; Acute dermal toxicity Cat 1, H310*; STOT RE 2, H373*; aquatic chronic tox. Cat 1, H410*	GHS06 GHS08 GHS09
Component 2 TECHNOFLUOR ADAMTS13 Substrate	Bis-Tris	6976-37-0	Reach No: 01-2120768016 - 54-XXXX	< 0,5 %	Serious eye damage Cat 1, H318*	GHS05
	CaCl <sub>2</sub> .2H <sub>2</sub> O	1003504-8	233-140-8/ 01- 2119494219-28- xxxx	< 0,5 %	Eye irritant Cat 2, H319*	GHS07

HAZARDOUS INGREDIENT(S)	CAS No.	Specific concentration limit	M-factor	ATE
NaN <sub>3</sub>	26628-22-8			Acute Tox. 2, (H300): 5

Contains no non-classified vPvB substances or substances with a Union workplace exposure limit.  
For full text of H/P Statements see section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash skin with water.
Eye Contact	Flush eyes with water for at least 15 minutes.
Ingestion	Wash out mouth with water.

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

None anticipated. Treat symptomatically.

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

Unlikely to be required but if necessary treat symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

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

None anticipated. Heating may cause decomposition.

#### 5.3 Advice for firefighters

As appropriate for surrounding fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

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### 6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

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

Sweep spilled substances into containers if appropriate moisten first to prevent dusting.

### 6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Not known.

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

Storage temperature +2°C to +8°C  
Storage life Stable under normal conditions.  
Incompatible materials None known.

### 7.3 Specific end use(s)

In vitro diagnostic use

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

##### Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Sodium azide (as NaN <sub>3</sub> )	26628-22-8		0.1		0.3	Sk

Region	Source
	UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark	Notes
	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

### 8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment

Eye Protection	Wear eye protection with side protection (EN166).
Skin protection	Gloves recommended
Respiratory protection	Normally no personal respiratory protection is necessary.
Thermal hazards	None known.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state

Component 1	TECHNOFLUOR ADAMTS13 Buffer	liquid
Component 2	TECHNOFLUOR ADAMTS13 Substrate	solid (lyoph.)

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Colour		
Component 1	TECHNOFLUOR ADAMTS13 Buffer	without colour
Component 2	TECHNOFLUOR ADAMTS13 Substrate	without colour
Odour – all components		odourless
Melting point/freezing point		Not known.
Boiling point or initial boiling point and boiling range		Not applicable.
Flammability		Not known.
Lower and upper explosion limit		Not known.
Flash Point		Not applicable.
Auto-ignition temperature		Not known.
Decomposition Temperature		Not known.
pH		Not known.
Kinematic Viscosity		Not known.
Solubility		Solubility (Water) : readily miscible. Solubility (Other) : Not known
Partition coefficient n-octanol/water (log value)		Not known.
Vapour pressure		Not known.
Density and/or relative density		Not known.
Relative vapour density		Not known.
Particle characteristics		Not known.

### 9.2 Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

None anticipated.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

None anticipated.

### 10.5 Incompatible materials

Not known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity - Ingestion	Low acute toxicity
Acute toxicity - Skin Contact	Low acute toxicity
Acute toxicity - Inhalation	Low acute toxicity
Skin corrosion/irritation	Non-irritant
Serious eye damage/irritation	Non-irritant
Skin sensitization data	Not classified
Respiratory sensitization data	Not classified
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Not classified
Lactation	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified

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### 11.2 Information on other hazards

Not known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity - Aquatic invertebrates Low toxicity to invertebrates.  
Toxicity - Fish Low toxicity to fish.  
Toxicity - Algae Low toxicity to algae.  
Toxicity - Sediment Compartment Not classified.  
Toxicity - Terrestrial Compartment Not classified.

### 12.2 Persistence and degradability

Not known.

### 12.3 Bioaccumulative potential

Not known.

### 12.4 Mobility in soil

Not known.

### 12.5 Results of PBT and vPvB assessment

Not known.

### 12.6 Endocrine disrupting properties

None known.

### 12.7 Other adverse effects

Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Dispose at suitable refuse site.

### 13.2 Additional Information

No special precautions are required for this product.

## SECTION 14: TRANSPORT INFORMATION

### Not classified as hazardous for transport.

#### 14.1 UN number or ID number

Not applicable

#### 14.2 UN proper shipping name

Not applicable

#### 14.3 Transport hazard class(es)

Not applicable

#### 14.4 Packing group

Not applicable

#### 14.5 Environmental hazards

Not classified as a Marine Pollutant.

#### 14.6 Special precautions for user

Not known

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### 14.7 Maritime transport in bulk according to IMO instruments

Not known

## SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions on Use

Candidate List of Substances of Very Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of Not listed  
substances subject to authorisation

REACH: Annex XVII Restrictions on Bis-Tris (CAS 6976-37-0), CaCl<sub>2</sub>.2H<sub>2</sub>O (CAS 1003504-8), NaN<sub>3</sub> (CAS  
the manufacture, placing on the 26628-22-8)  
market and use of certain dangerous  
substances, mixtures and articles

Community Rolling Action Plan Not listed  
(CoRAP)

Regulation (EC) N° 2019/1021 of Not listed  
the European Parliament and of the  
Council on persistent organic  
pollutants

Regulation (EC) N° 1005/2009 on Not listed  
substances that deplete the ozone  
layer

Regulation (EU) N° 649/2012 of the Not listed  
European Parliament and of the  
Council concerning the export and  
import of hazardous chemicals

National regulations

Other Not known.

### 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

Date of Issue 2024-03-13 (replaces FA00E.01\_SDB from 2020-09-04)

Date of Revision n.a.

### LEGEND

Hazard Pictogram(s) GHS05: Corrosion  
GHS06: Acute Toxicity  
GHS07: Harmful  
GHS08: Serious Health Hazard  
GHS09: Environmental Hazard

Hazard classification (s) Acute Oral Tox. 2: acute oral toxicity, category 2  
Serious Eye dam 1: serious eye damage, category 1  
Eye irritant 2: eye irritant, category 2  
Acute Derm. Tox.1: acute dermal toxicity, category 1  
STOT RE 2: specific target organ toxicity - repeated exposure, category 2  
Aquatic chronic tox. 1: hazardous to the aquatic environment (long-term (chronic)),  
category 1

Hazard Statement(s) H300: Fatal if swallowed  
H310: Fatal in contact with skin  
H318: Causes serious eye damage  
H319: Causes serious eye irritation  
H373: May cause damage to organs through prolonged or repeated exposure  
H410: Very toxic to aquatic life with long lasting effects

Precautionary Statement(s) P264: Wash hands thoroughly after handling.

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Acronyms

- ATE : Acute Toxicity Estimate
- CAS : Chemical Abstracts Service
- CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
- DNEL : Derived No Effect Level
- EC : European Community
- EINECS : European Inventory of Existing Commercial Chemical Substances
- LTEL : Long term exposure limit
- PBT : Persistent, Bioaccumulative and Toxic
- PNEC : Predicted No Effect Concentration
- REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
- STEL : Short term exposure limit
- STOT : Specific Target Organ Toxicity
- vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

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