

Safety Data Sheet

TECHNOFLUOR ADAMTS13 Activity



SDS No. FA00.01_RUO
p 1/7 EN R01

Temp.: TFS16G.01
Art. 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-RUO
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 For Research Use Only. Not for use in diagnostic procedures.
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 ₂ .2H ₂ O	1003504-8	233-140-8/ 01-2119494219-28-xxxx	< 0,5 %	Eye irritant Cat 2, H319*	GHS07
		NaN ₃	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 ₂ .2H ₂ 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 ₃	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.

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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.

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)

For research use only.

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 ³)	STEL (ppm)	STEL (mg/m ³)	Note
Sodium azide (as NaN ₃)	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.

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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.)
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

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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

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

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14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

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 substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Bis-Tris (CAS 6976-37-0), CaCl₂.2H₂O (CAS 1003504-8), Na₃ (CAS 26628-22-8)

Community Rolling Action Plan (CoRAP) Not listed

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

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

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

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Major additions, deletions or changes to previous version are indicated by lines in the margin

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

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