	Document Type: Safety Data Sheet	Tranexamic Acid in 0.7% Sodium Chloride Injection		
	Effective Date: 22 SEP 2025	SDS No.: SDS028	Revision No: 01	Page 1 of 8

Section 1 - Identification


- (a) **Product Identifier:** Tranexamic Acid in 0.7% Sodium Chloride Injection
- (b) **Product Code:** 83634-403-51; 83634-403-82
- Common/Trade Name:** NA
- Chemical Name:** trans-4-(aminomethyl)cyclohexanecarboxylic acid
- Chemical Family:** Antifibrinolytic Agent
- (c) **Product Use:** Pharmaceutical, Injectable
- Product Type:** Regulated Prescription Drug
- Container Information:** Vial
- (d) **Distributor:** Avenacy 10 N. Martingale Road, Suite 225, Schaumburg, IL 60173, 847-773-4901
- (e) **Emergency Telephone:** 855-283-6229

Section 2 - Hazards Identification

- (a) **Classification:** Not classified as hazardous.

(b) Signal Word, Hazard statement(s), Symbol(s), and/or Precautionary statement(s):	(c) Description of Hazards:
Signal Word:	None.
Hazard Statements:	Not classified in accordance with international standards for workplace safety.
Precautionary Statements:	None.

- (d) **Unknown Acute Toxicity** N/A

	Document Type: Safety Data Sheet	Tranexamic Acid in 0.7% Sodium Chloride Injection		
	Effective Date: 22 SEP 2025	SDS No.: SDS028	Revision No: 01	Page 2 of 8

Section 3 – Composition / Information on Ingredients


(a) Chemical Name	(b) Common Name / Synonym	% Composition or other measure	(c) CAS No.	(d) Impurities / Stabilizing Additives
trans-4-(aminomethyl) cyclohexanecarboxylic acid	Tranexamic Acid	10 mg/mL	1197-18-8	N/A
Sodium Chloride	Sodium Chloride	7 mg/mL	7647-14-5	NA

Section 4 – First Aid Measures

- Eye Exposure:** If worn and easy to do, remove contact lenses. Immediately flush eyes with copious quantities of water for at least 15 minutes. If irritation occurs or persists, notify medical personnel and supervisor.
- Skin Exposure:** Wash exposed area with soap and water and remove contaminated clothing and/or shoes. If irritation occurs or persists, notify medical personnel and supervisor.
- Ingestion:** If swallowed, call a physician immediately. Do not induce vomiting unless directed by medical personnel. Do not give anything to drink unless directed by medical personnel. Never give anything by mouth to an unconscious person. Notify medical personnel and supervisor.
- Inhalation:** Immediately move exposed subject to fresh air. If not breathing, give artificial respiration. If breathing is labored, administer oxygen. Immediately notify medical personnel and supervisor.
- Notes to physician:** Medical conditions aggravated by exposure: None known or reported. Treat symptomatically and supportively. Known symptoms or effects (if any) are described in Section 11 – Toxicological Information.

Section 5 – Fire-fighting Measures

- (a) **Extinguishing Media:** Use water spray (fog), foam, dry powder, or carbon dioxide as appropriate for surrounding fire and materials.
- (b) **Hazardous Combustion Products:** No information identified. May emit carbon monoxide, carbon dioxide, oxides of nitrogen, and other nitrogen-containing compounds.

	Document Type: Safety Data Sheet	Tranexamic Acid in 0.7% Sodium Chloride Injection		
	Effective Date: 22 SEP 2025	SDS No.: SDS028	Revision No: 01	Page 3 of 8

- (c) **Special Protective Equipment / Precautions:** In case of fire in the surroundings, use the appropriate extinguishing agent. Wear full protective clothing and an approved, positive pressure, self-contained breathing apparatus. Decontaminate all equipment after use.

Section 6 - Accidental Release Measures

- Spill:** Wear appropriate protective clothing to avoid exposure. Avoid dust formation and breathing dust. Ensure adequate ventilation. Clean spill area thoroughly using HEPA filtered vacuum to sweep up dry solids, wet-brushing, or by absorbing spilled liquids. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
- Release to Air:** Not available.
- Release to Water:** Do not empty into drains. Avoid release to the environment.

Section 7 - Handling and Storage

- General Handling:** Avoid contact with skin and eyes. Use appropriate personal protective equipment when handling. Generation of dust or volatile vapors should be minimized.
- Storage Conditions:** Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° and 30°C (59° and 86°F).

Section 8 - Exposure Controls / Personal Protection

(a) Exposure Limits

Compound	OSHA PEL (TWA)	ACGIH TLV (TWA)	NIOSH REL (TWA)
Tranexamic Acid	NE	NE	NE
Sodium Chloride	NE	NE	NE


NE – Not Established

(b) Engineering Controls

Use a laboratory fume hood or local exhaust ventilation to minimize airborne dust or volatile vapors when handling.

(c) Individual Protection Measures


Respiratory Protection:	Choice of respiratory protection should be appropriate to the task and the level of existing engineering controls. At a minimum, a tight-fitting full-face respirator with HEPA filter is required when performing dust-generating operations and for spill cleanup.
-------------------------	--

	Document Type: Safety Data Sheet	Tranexamic Acid in 0.7% Sodium Chloride Injection		
	Effective Date: 22 SEP 2025	SDS No.: SDS028	Revision No: 01	Page 4 of 8

Eye Protection:	Wear safety glasses with side shields, chemical splash goggles, or full-face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.
Skin Protection:	Wear proper gowning appropriate to the task. Protective garments (coveralls, disposable coveralls, lab coats) are not to be worn in common areas (such as cafeterias) or out-of-doors. Employees must be trained in proper gowning and degowning practices. Wear nitrile or other impervious gloves if skin contact is possible. Double gloves should be considered. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent.
Other Protective Equipment:	Wash hands in the event of contact with this substance, especially before eating, drinking, or smoking. Protective equipment is not to be worn outside the work area (such as in common areas or out-of-doors).
Additional Exposure Precautions:	Avoid release to the environment and operate within closed systems wherever practicable. Air and liquid emissions should be directed to appropriate pollution control devices. In case of spill, do not release to drains. Implement appropriate and effective emergency response procedure.

Section 9 - Physical and Chemical Properties

(a)	Appearance	Clear, colorless liquid
(b)	Odor	Not available
(c)	Odor Threshold	Not available
(d)	pH	6.5-8.0
(e)	Melting Point:	Not available
(f)	Initial Boiling Point:	Not available
(g)	Flash Point	Not available
(h)	Evaporation Rate:	Not available
(i)	Flammability	Not available
(j)	Upper Lower Flammability or Explosion Limits	Not available
(k)	Vapor Pressure:	Not available
(l)	Vapor Density:	Not available
(m)	Relative Density	Not available
(n)	Solubility(ies)	Not applicable
(o)	Partition Coefficient: n-octanol/water	Not available
(p)	Auto-ignition Temperature	Not available
(q)	Decomposition Temperature	Not available

	Document Type: Safety Data Sheet	Tranexamic Acid in 0.7% Sodium Chloride Injection		
	Effective Date: 22 SEP 2025	SDS No.: SDS028	Revision No: 01	Page 5 of 8

(r)	Viscosity	Not available
------------	------------------	---------------

Section 10 - Stability and Reactivity

(a)	Reactivity	Contact with incompatible materials and exposure to heat.
(b)	Chemical Stability	The product is stable under normal conditions of use.
(c)	Possibility of Hazardous Reactions	None known.
(d)	Conditions to Avoid	Contact with incompatible materials and exposure to heat.
(e)	Incompatible Materials	Acids, bases, and oxidizers.
(f)	Hazardous Decomposition Products	None known.

Section 11 - Toxicological Information

(a)	Likely Routes of Exposure	All the formulation components may be absorbed by inhalation, ingestion, and skin and eye contact.
(b)	Symptoms related to the physical, chemical and toxicological characteristics	May cause skin and eye irritation.
(c)	Delayed and immediate effects and also chronic effects from short and long term exposure	None available.

(d) Acute Toxicity


Component	Type	Route	Species	Dosage
Tranexamic Acid	LD ₅₀	Oral	Rat	>15,000 mg/kg
	LD ₅₀	Oral	Mouse	>10,000 mg/kg
	LD ₅₀	Oral	Dog	>5,000 mg/kg
Sodium Chloride	LD ₅₀	Oral	Rat	3,000 mg/kg
	LD ₅₀	Inhalation	Rat	>42,000 mg/m ³ /1hr
	LD ₅₀	Skin	Rabbit	>10,000 mg/kg

(e) Hazardous Chemical Listings

NTP: Not Listed

IARC: Not Listed

OSHA: Not Listed

	Document Type: Safety Data Sheet	Tranexamic Acid in 0.7% Sodium Chloride Injection		
	Effective Date: 22 SEP 2025	SDS No.: SDS028	Revision No: 01	Page 6 of 8

Section 12 - Ecological Information

(a)	Ecotoxicity	<p>Tranexamic Acid: <i>Pseudokirchneriella subcapitata</i> ErC₅₀ of >100 mg/L (72 hours), <i>Daphnia magna</i> EC₅₀ of > 100 mg/L (24 hours and 48 hours).</p> <p>Sodium Chloride: <i>Lepomis macrochirus</i> (Bluegill) LC₅₀ of 5.840 mg/L (96 hours), <i>Daphnia magna</i> (water flea) static test EC₅₀ of 874 mg/L (48 hours), <i>Daphnia magna</i> (water flea) static test LC₅₀ of 4.136 mg/L (48 hours), <i>Nitzschia</i> species static test EC₅₀ of 2.430 mg/L (120 hours), <i>Pimephales promelas</i> (fathead minnow) NOEC of 252 mg/L (33 days), <i>Daphnia pulex</i> (water flea) semi-static test NOEC of 314 mg/L (21 days).</p>
(b)	Persistence and degradability	Not Available
(c)	Bioaccumulative potential	Not Available
(d)	Mobility in soil	Not Available
(e)	Other Adverse Effects	Not Available


Section 13 - Disposal Considerations

Waste Disposal: Dispose of any cleanup materials and waste residue according to all applicable laws and regulations.

Section 14 - Transport Information

DOT: Not regulated as a hazardous material.
IATA: Not regulated as a hazardous material.
IMDG: Not regulated as a hazardous material.

(a)	UN Number	Not Available
(b)	UN Proper Shipping Name	Not Available
(c)	Transport Hazard Class(es)	Not Available
(d)	Packing Group	Not Available
(e)	Environmental Hazards	Not Available
(f)	Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)	Not Available
(g)	Special Precautions	Avoid release to environment.

	Document Type: Safety Data Sheet	Tranexamic Acid in 0.7% Sodium Chloride Injection		
	Effective Date: 22 SEP 2025	SDS No.: SDS028	Revision No: 01	Page 7 of 8

Section 15 - Regulatory Information

Below is selected regulatory information chosen primarily for possible Avenacy usage. This section is not a complete analysis or reference to all applicable regulatory information. Please consider all applicable laws and regulations for your country/state.

U.S. Regulations:

TSCA: Sodium Chloride is listed (Domestic Substance List)

CERCLA - Not on this list

SARA 302 - Not on this list

SARA 304: Not regulated

SARA 313 - Not on this list

Section 16 - Other Information


As of the date of effectiveness, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact:

Avenacy
10 N. Martingale Road, Suite 225
Schaumburg, IL 60173
847-773-4901

Glossary: This glossary contains definitions of general terms used in Safety Data Sheets. Not all of these Glossary Terms will apply to this Safety Data Sheet (SDS).

ACGIH	American Conference of Governmental Industrial Hygienists
AICS	Australian Inventory of Chemical Substances
AIHA	American Industrial Hygiene Association
ANSI	American National Standards Institute
CAS Number	Chemical Abstract Service Registry Number
CERCLA	Comprehensive Environmental Response Compensation and Liability Act (of
CHAN	Chemical Hazard Alert Notice
CHEMTREC	Chemical Transportation Emergency Center
DOT	Department of Transportation
DSL	Domestic Substances List
ECHA	European Chemicals Agency
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EPA	Environmental Protection Agency
GHS	Globally Harmonized System of Classification and Labelling of Chemicals

	Document Type: Safety Data Sheet	Tranexamic Acid in 0.7% Sodium Chloride Injection		
	Effective Date: 22 SEP 2025	SDS No.: SDS028	Revision No: 01	Page 8 of 8

HEPA	High Efficiency Particulate Air (Filter)
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
ICAO/IATA	International Civil Aviation Organization/International Air Transport
IMO	International Maritime Organization
KOW	Octanol/Water Partition Coefficient
LEL	Lower Explosive Limit
MSDS	Material Safety Data Sheet
MSHA	Mine Safety and Health Administration
NA	Not Applicable, except in Section 14 where NA = North America
NE	Not Established
NADA	New Animal Drug Application
NAIF	No Applicable Information Found
NCI	National Cancer Institute
NDSL	Non-Domestic Substances List
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NPDES	National Pollutant Discharge Elimination System
NOS	Not Otherwise Specified
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit (OSHA)
RCRA	Resource Conservation and Recovery Act
RQ	Reportable Quantity
RTECS	Registry of Toxic Effects of Chemical Substances
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value (ACGIH)
TPQ	Threshold Planning Quantity
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average/8 Hours Unless Otherwise Noted
UEL	Upper Explosive Limit
UN	United Nations
USP	United States Pharmacopeia
WEEL	Workplace Environmental Exposure Level (AIHA)
WHMIS	Workplace Hazardous Materials Information System