

1. Identification

Product Name	: Tranexamic acid	Company Name	: Ases Chemical Works
CAS No	: 1197-18-8	Address	: Brahm Bagh, Jalori Gate, Jodhpur-342001 (India)
Synonyms	: trans-4-(Aminomethyl)cyclohexane carboxylic acid	Phone	: +91-291-2635041
Recommended Use	: Laboratory chemicals.	Whats App	: +91-9636889954
Uses advised against	: Food, drug, pesticide or biocidal product use.	Web	: www.ases.in
		e-mail	: ecom@ases.in

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Target Organs	Respiratory system.

Label Elements

Signal Word : Warning

Hazard Statements : Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation

Precautionary Statements

Prevention : Wash face, hands and any exposed skin thoroughly after handling

: Wear protective gloves/protective clothing/eye protection/face protection

: Avoid breathing dust/fume/gas/mist/vapors/spray and use only outdoors or in a well-ventilated area

Inhalation : IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing

: Call a POISON CENTER or doctor/physician if you feel unwell

Skin : IF ON SKIN- Wash with plenty of soap and water

: If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse

Eyes: : IF IN EYES- Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

: If eye irritation persists- Get medical advice/attention

Storage : Store in a well-ventilated place. Keep container tightly closed. Store locked up

Disposal : Dispose of contents/container to an approved waste disposal plant

3. Composition/Information on Ingredients

Component	CAS No	Weight %
Tranexamic acid	1197-18-8	>95

4. First-aid measures

General Advice : If symptoms persist, call a physician.

Eye Contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact : Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Inhalation : Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

Ingestion : Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

Notes to Physician : Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media	: Water spray. Carbon dioxide (CO ₂). Dry chemical. Chemical foam.
Unsuitable Extinguishing Media	: No information available
Flash Point	: No information available
Method	: No information available
Autoignition Temperature	: No information available
Explosion Limits:	
Upper	: No data available
Lower	: No data available
Sensitivity to Mechanical Impact	: No information available
Sensitivity to Static Discharge	: No information available
Specific Hazards Arising from the Chemical	: Keep product and empty container away from heat and sources of ignition.
Hazardous Combustion Products	: Nitrogen oxides (NO _x). Carbon monoxide (CO). Carbon dioxide (CO ₂).
Protective Equipment and Precautions for Firefighters	: As in any fire, wear self-contained breathing apparatus pressure-demand, and full protective gear.

6. Accidental release measures

Personal Precautions	: Ensure adequate ventilation. Use protective equipment as required. Avoid dust formation.
Environmental Precautions	: Should not be released into the environment.
Methods for Containment & Clean Up	: Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling	: Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.
Storage	: Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Strong oxidizing agents.

8. Exposure controls / personal protection

Exposure Guidelines	: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protective Equipment	
Eye/face Protection	: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	: Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	: No protective equipment is needed under normal use conditions.
Hygiene Measures	: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	: Powder Solid	Flammability limit Lower	: No data available
Appearance	: White	Vapor Pressure	: No information available
Odor	: Odorless	Vapor Density	: Not applicable
Odor Threshold	: No information available	Specific Gravity	: No information available
pH	: 6.5-8.0 5% aq. solution	Solubility	: Soluble in water
Melting Point/Range	: > 300 °C / 572 °F	Partition coefficient	: No data available
Boiling Point/Range	: No information available	Autoignition Temperature	: No information available
Flash Point	: No information available	Decomposition Temperature	: No information available
Evaporation Rate	: Not applicable	Viscosity	: Not applicable
Flammability (solid,gas)	: No information available	Molecular Formula	: C ₈ H ₁₅ NO ₂
Flammability limit Upper	: No data available	Molecular Weight	: 157.21

10. Stability and reactivity

Reactive Hazard	: None known, based on information available
Stability	: Stable under normal conditions.
Conditions to Avoid	: Incompatible products.
Incompatible Materials	: Strong oxidizing agents
Hazardous Decomposition Products	: Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)
Hazardous Polymerization	: Hazardous polymerization does not occur.
Hazardous Reactions	: None under normal processing.

11. Toxicological information

Acute Toxicity

Product/ Component Information : No acute toxicity information is available for this product

Toxicologically Synergistic Products : No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation : No information available

Sensitization : No information available

Carcinogenicity : The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Tranexamic acid	1197-18-8	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects : No information available **STOT - repeated exposure** : None known

Reproductive Effects : No information available. **Aspiration hazard** : No information available

Developmental Effects : No information available. **Symptoms/effects, acute & delayed** : No information available

Teratogenicity : No information available. **Endocrine Disruptor Information** : No information available

STOT - single exposure : Respiratory system

12. Ecological information

Ecotoxicity : Do not empty into drains.

Persistence and Degradability : Soluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation : No information available.

Mobility : Will likely be mobile in the environment due to its water solubility.

13. Disposal considerations

Waste Disposal Methods : Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT	Not regulated	IATA	Not regulated
TDG	Not regulated	IMDG/IMO	Not regulated

15. Regulatory information

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS)&(ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Tranexamic acid	1197-18-8	-	-	214-818-2	X	X	X	-	X	KE-0145

U.S. Federal Regulations

SARA 313 : Not applicable

SARA 311/312 Hazard Categories :See section 2

CWA (Clean Water Act) : Not applicable
Clean Air Act : Not applicable
OSHA : Not applicable

CERCLA : Not applicable
California Proposition 65 : This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations : Not applicable

U.S. Department of Transportation

Reportable Quantity (RQ) : N DOT Marine Pollutant : N DOT Severe Marine Pollutant : N

U.S. Department of Homeland Security : This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade : No information available

Authorisation/Restrictions according to EU REACH

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

Component **CAS No** **OECD HPV Persistent Organic**

Component	CAS No	OECD HPV	Persistent Pollutant	Organic	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Tranexamic acid	1197-18-8	Not applicable	Not applicable		Not applicable	Not applicable

Component	CAS No	Seveso III Directive(2012/18/EC) Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Tranexamic acid	1197-18-8	Not applicable	Not applicable	Not applicable	Not applicable

16 OTHER INFORMATION

Disclaimer:

This 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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.