

Trade name: Tosylchloramidum natricum

Substance number: 066560

Version: 2 / CH

Date revised: 04.04.13

Replaces Version: 1 / CH

Date of printing: 04.04.13

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Tosylchloramidum natricum

Item-No. 06656000

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

Use of the substance/preparation

Active pharmaceutical substance

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG
Industriestrasse 35
9101 Herisau
Telephone no. 0041 (0)71 353 58 58
E-mail address of sdb@haenseler.ch
person responsible
for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

2. Hazards identification

2.1. Classification of the substance or mixture

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

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

Acute Tox. 4	H302
Resp. Sens. 1	H334
Skin Corr. 1B	H314
	EUH031

Classification in accordance with EC directives

Classification	Xn, R22
	R31
	C, R34
	R42

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

EUH031	Contact with acids liberates toxic gas.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

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H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

corrosive

R phrases

22 Harmful if swallowed.
 31 Contact with acids liberates toxic gas.
 34 Causes burns.
 42 May cause sensitization by inhalation.

S phrases

23 Do not breathe vapours/aerosols.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 60 This material and its container must be disposed of as hazardous waste.

Hazardous component(s) to be indicated on label

contains Tosylchloramide sodium

3. Composition/information on ingredients**Hazardous ingredients****Tosylchloramide sodium**

CAS No.	127-65-1			
EINECS no.	204-854-7			
Concentration		>=	50	%
Classification	Xn, R22 C, R34 R31 R42			

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

Acute Tox. 4	H302
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4. First aid measures

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4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely. Irregular breathing/no breathing: artificial respiration.

After inhalation

Ensure supply of fresh air. If necessary, give oxygen. Seek medical advice immediately.

After skin contact

In case of contact with skin wash off immediately with plenty of water. Seek medical advice immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical aid immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Summon a doctor immediately.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide, Dry powder, Foam

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby evolution of dangerous gases possible. Nitrogen oxides (NOx); Sulfuroxides (SOx); Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear full protective suit.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons. Remove persons to safety.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Neutralize. Dispose of absorbed material in accordance with the regulations. Ensure adequate ventilation.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid dust formation.

Advice on protection against fire and explosion

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 8 - 15 °C

Hints on storage assembly

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Do not store with acids.

Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light.

8. Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Remove contaminated, soaked clothing immediately and dispose of safely. Avoid contact with eyes and skin. Wash hands and face before breaks and after work. Wash thoroughly after work.

Respiratory protection

Short term: filter apparatus; At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

Protective gloves

Appropriate Material

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	Crystalline powder		
Colour	light yellow		
Odour	Chlorine.		
pH			
Value	8	to	10
Concentration/H ₂ O	50	g/l	
Temperature	20	°C	
Melting point			
Remarks	not determined		
Boiling point			
Remarks	not determined		
Flash point			
Value	192		°C
Density			
Remarks	not determined		
Solubility in water			
Value	150		g/l
Temperature	25	°C	
Thermal decomposition			
Remarks	No decomposition if used as prescribed.		

9.2. Other information**Other information**

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The product is not dangerous for explosions.

10. Stability and reactivity

10.4. Conditions to avoid

Do not keep at temperatures above 30 °C.

Thermal decomposition

Remarks No decomposition if used as prescribed.

10.5. Incompatible materials

Reactions with strong oxidising agents. Reactions with acids.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, nitrous oxides (NO_x), sulphurous oxides (SO_x), Hydrogen chloride (HCl)

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Species	rat		
LD50	appr. 1000		mg/kg

Skin corrosion/irritation

Remarks Strong corrosive action on the skin and mucous membrane.

Serious eye damage/irritation

Remarks strongly corrosive

Sensitization

Remarks Possibility of sensitization through skin contact.

Experience in practice

After Swallowing: burns in mouth, throat, oesophagus and gastrointestinal tract. Risk of perforation in the oesophagus and stomach.

12. Ecological information

12.2. Persistence and degradability

Biodegradability

valuation Readily biodegradable

12.6. Other adverse effects

General information / ecology

Do not allow it to reach soil, ground water, water bodies or sewage system. Product is hazardous to water.

13. Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

In accordance with regulations for special waste, must be taken, to an underground disposal site.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

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14. Transport information

Land transport ADR/RID

14.1. UN number

UN 3263

14.2. UN proper shipping name

CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

14.3. Transport hazard class(es)

Class 8

Label 8

14.4. Packing group

Packing group III

Marine transport IMDG/GGVSee

14.1. UN number

UN 3263

14.2. UN proper shipping name

CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group III

14.5. Environmental hazards

no

Air transport ICAO/IATA

14.1. UN number

UN 3263

14.2. UN proper shipping name

CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group III

15. Regulatory information

16. Other information

R-phrases listed in Chapter 3

22	Harmful if swallowed.
31	Contact with acids liberates toxic gas.
34	Causes burns.
42	May cause sensitization by inhalation.

Hazard statements listed in Chapter 3

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
 This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.