

## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### **Taurine**

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

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

### **1.1 Product identifier**

Product name: Taurine  
CAS No: 107-35-7  
WE-No: 203-483-8

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

Identified uses: Chemical substance

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

Company name: CCEU Sp. z o. o  
ul. Ostatnia 45  
PL 60-102 Poznań  
Telephone: +48 888 666 156  
Email address to the person  
responsible for MSDS: reach@cristalchem.com

### **1.4 Emergency telephone number:**

Clinical Department of Toxicology: +48 12 411 99 99

## **SECTION 2: HAZARDS IDENTIFICATION**

### **2.1 Classification of the substance or mixture**

Non-hazardous substance and/or mixture according to EU law.

### **2.2 Labels elements**

Labels according to Regulation (EC) No 1272/2008

## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### Taurine

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

#### 2.3 Other hazards

No additional information.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Name of substance:	2-aminoethanesulfonic acid
EC Number:	203-483-8
CAS Number:	107-35-7
Molecular formula:	C <sub>2</sub> H <sub>7</sub> NO <sub>3</sub> S
Molar mass:	125,2 g/mol

#### 3.2 Mixture

Not applicable.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first air measures

##### General notes

Remove contaminated clothing.

##### Inhalation

Provide fresh air. In case of doubt, or when symptoms persist, seek medical attention.

##### Skin contact

Rinse affected area under running water/shower.

##### Eye contact

Rinse thoroughly with water for several minutes. In case of doubt, or when symptoms persist, seek medical attention.

##### Ingestion

Rinse mouth thoroughly. Seek medical attention if ailments arise.



## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### Taurine

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

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

No description of toxic symptoms

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

None.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing

Co-ordinate fire-fighting measures to the area of fire: water spray, foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Pressurized water

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

Combustible.

In case of fire, may release: nitrogen oxides (Nox), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), sulphur oxides (Sox)

### 5.3 Advice for firefighters

Fight fire with standard precautions from reasonable distance. Self-contained breathing apparatus recommended.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water

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

#### Advice on spillage containment

Cover drains.

## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### Taurine

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

#### **Advice on spillage clean up**

Gather mechanically

#### **Other information relating to spillage and/or release**

Place in appropriate containers for disposal.

#### **6.4 Reference to other sections**

Disposal considerations: see section 13.

## SECTION 7: HANDLING AND STORAGE

#### **7.1 Precautions for safe handling**

Avoid dust formation.

#### **Advice on general occupational hygiene**

Wash hands before breaks and after work

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

Keep container tightly closed. Store in a dry place.

#### **Incompatible substances or mixtures**

Observe hints for combined storage

#### **Consideration of other advice**

##### **- Ventilation requirements**

Use local and general ventilation.

##### **- Specific requirements for storage rooms or vessels**

Recommended storage temperature: 5- 40 °C

#### **7.3 Specific end use(s)**

No information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **8.1 Control parameters**

Does not contain substances with occupational exposure limit values.

#### **8.2 Exposure controls**

#### **Individual protection measures (personal protective equipment)**



## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### Taurine

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

#### **Eye/face protection**

Use safety goggle with side protection.

#### **Skin protection**

##### **-hand protection**

Wear suitable gloves. Chemical protection gloves with EN 374 certification are suitable.

##### **-type of material**

NBR (Nitrile rubber)

##### **-material thickness**

>0,11 mm

##### **-breakthrough times of the glove material**

>480 minutes (permeation: level 6)

##### **-other protection measures**

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ ointments) is recommended.

#### **Respiratory protection**

Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143).

P1 (filters at least 80% of airborne particles, color code: White).

#### **Environmental exposure controls**

Keep away from drains, surface and/or ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	solid (crystalline powder)
Color	White
Odour	Odorless
Odour threshold	no data available
pH	4.1-5.6
Melting point	305°C
Boiling point	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available

## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### Taurine

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Relative vapor density	no data available
Density	1,72 g/cm <sup>3</sup> at 20°C
Relative density	no data available
Water solubility	70 g/l
Partition coefficient: n-octanol/water	-1.3 (20 °C) (ECHA)
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Dynamic viscosity	no data available
Explosive properties	no data available
Oxidising properties	no data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

With a sufficiently large degree of comminution, the formation of a dust cloud can lead to an explosion.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

Violent reaction with: Strong oxidizer

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

See section 5

## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### Taurine

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### Acute toxicity

Shall not be classified as acutely toxic  
oral LD50 > 2,000 mg/kg rat ECHA

##### Skin corrosion/irritation

Shall not be classified as a respiratory or skin sensitizer.

##### Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

##### -Specific target organ toxicity – single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

##### -Specific target organ toxicity – repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

##### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

##### Symptoms related to the physical, chemical and toxicological characteristics

##### - If swallowed

No data available

##### - If eye contact

No data available

##### - If inhaled

Inhalation of dust may cause irritation of the respiratory system, cough

##### If skin contact

Frequently or prolonged contact with skin may cause dermal irritation

##### Other information

None.

#### 11.2 Additional information

Handle in accordance with good industrial hygiene and safety precautions.

## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### Taurine

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

#### 12.2 Process of degradability

Biodegradability aerobic – Exposure time 28 d

Result: 70% - Readily biodegradable.

(OECD Test Guideline 301F)

Remarks: The 10 day time window criterion is not fulfilled.

#### 12.3 Bioaccumulative potential

Does not significantly accumulate in organisms

n-octanol/water (log KOW) -1,3 (20 °C)

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

No data available

#### 12.6 Other adverse effects

No data available

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Consult the appropriate local waste disposal expert about waste disposal

#### Sewage disposal-relevant information

Do not empty into drains.

#### 13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out in accordance to the EEC, specific to industry and process.

#### 13.3 Remarks

Waste shall be separated into categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions



## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### Taurine

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

### SECTION 14. TRANSPORT INFORMATION

**14.1 UN number – not subject to transport regulations**

**14.2 UN proper shipping name – not relevant**

**14.3 Transport hazard class(es) – not relevant**

**14.4 Packing group – not relevant**

**14.5 Environmental hazards – none (non-environmentally hazardous acc. to the dangerous goods regulations)**

**14.6 Special precautions for user**

No additional information available

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

The cargo is not intended to be carried in bulk.

**14.8 Information for each of the UN Model Regulations**

**Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)**

Not subject to ADR, RID and ADN.

**International Maritime Dangerous Goods Code (IMDG)**

Not subject to IMDG.

**International Civil Aviation Organization (ICAO-IATA/DGR)**

Not subject to ICAO-IATA.

### SECTION 15: REGULATORY INFORMATION

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

**Relevant provisions of the European Union (EU)**

**Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)**

Not listed.

**Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)**

Not listed.

## SAFETY DATA SHEET

according to Regulation: WE 1907/2006

### Taurine

Version	Revision Date	SDS Number	Date of last issue: 22.10.2021
1.0	22.10.2021	300000017002	Date of first issue:22.10.2021

**Regulation 850/2004/EC on persistent organic pollutants (POP)**

Not listed.

**Restrictions according to REACH, Annex XVII**

Not listed.

**List of substances subject to authorization (REACH, Annex XIV)**

Not listed.

**Directive 2011/65/EU on restriction of use of certain hazardous substances in electrical and electronic equipment (RoHS) – Annex II**

Not listed.

**Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

Not listed.

**Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)**

Not listed.

**National inventories**

-EINECS/ELINCS/NLP (Europe)

-REACH (Europe)

### 15.2 Chemical Safety Assessment

No chemical Safety Assessment has been carried out for this substance/mixture.

## SECTION 16: OTHER INFORMATION

### Training advice

Provide appropriate information, instruction and training for operators.

The information contained in this Material Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information provided is intended solely as a guide for safe handling, use, processing, storage, transportation, disposal and release and cannot be considered a warranty or quality specification. The information relates only to the specific material indicated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.