



Section 1. Product and Company Identification

Product Name Taurine
CAS Number 107-35-7

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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

The classification is according to the latest edition of the Directive 67/548/EEC. 1999/45/EC and Regulation (EC) No. 1272/2008. and extended by company and literature data.

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

Information concerning particular hazards for human and environment: R 36/37/38 Irritating to eyes, respiratory system and skin.

Label elements

GHS label elements Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/ international regulations.

Other hazards: Not available.



Section 3. Composition / Information on Ingredients

Common Name Taurine
Synonym(s) 2-Aminoethanesulfonic acid
Formula $C_2H_7NO_3S$
CAS Number 107-35-7

COMPONENT	CAS NUMBER	CONCENTRATION
Taurine	107-35-7	100%

Section 4. First Aid Measures

Description of first aid measures

Inhalation: In case of unconsciousness place patient stably in side position for transportation.

Skin contact: Immediately wash with water and soap and rinse thoroughly.

Eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion: Rinse out mouth with water. Never give anything by mouth to an unconscious person. Seek medical treatment.

Most important symptoms and effects, both acute and delayed: Not available.

Indication of any immediate medical attention and special treatment needed: Not available.

Section 5. Firefighting Measures

Extinguishing media

Suitable extinguishing agents: CO_2 powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: In case of fire, the following can be released: Nitrogen oxides (NO_x), Carbon monoxide (CO)

Advice for firefighters: Wear fully protective suit. Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Avoid formation of dust. Ensure adequate ventilation. Use respiratory protective device against the effects of fumes/dust/aerosol.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Reference to other sections: Please view below.

Section 7. Handling and Storage

Precautions for safe handling: Prevent formation of dust. Ensure good ventilation/exhaustion at the workplace.

Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store in a cool location. Store only in the original receptacle.

Information about storage in one common storage facility: Store away from flammable substances. Store away from oxidizing agents.

Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well-sealed receptacles.

Incompatibilities: Not available.

Section 8. Exposure Controls / Personal Protection

Control parameters

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace: Not required

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands: Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of Gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

Eye protection: Tightly sealed goggles

Section 9. Physical and Chemical Properties

Physical State: White Crystalline powder

Odor: Sour-ish

PH-value: 4.1 - 5.6

Flash point: Not available.

Boiling point/Boiling range: Not available

Melting point/Melting range: Not available

Freezing point: Not available

Bulk Density: 0.65 - 0.75 g/ml

Tap Density: 0.9 - 0.95 g/ml

Relative density: Not available

Vapor density: Not available

Evaporation rate: Not available

Vapor pressure: Not available.

Viscosity: Not available

Auto-ignition temperature: Not available.

Explosion limits: Not available.

Oxidizing properties: Not available.

Decomposition temperature: Not available.

Flammability (solid, gaseous): Product is not flammable.

Self-igniting: Not available.

Danger of explosion: Product does not present an explosion hazard.

Solubility in/Miscibility with water at < 25°C: 100 g/L

Partition coefficient (n-octanol/water): Not available.

Other information: Not available.

Section 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Reactivity: No decomposition if used according to specifications.

Possibility of hazardous reactions: Not available.

Conditions to avoid: Excess heat, dust generation, incompatible materials

Incompatible materials

Materials to be avoided: Strong oxidizing agents

Dangerous reactions: No dangerous reactions known.

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO_x). Sulfur oxides.

Section 11. Toxicological Information

Toxicological Information

Acute toxicity

LD/LC50 values relevant for classification of taurine (107-35-7): Oral LD50 > 5000mg/kg (rat)

Primary irritant effect

on the skin: Irritant to skin and mucous membranes,

on the eye: Irritating effect.

Sensitization: Sensitization possible.

Toxicokinetics, metabolism and distribution: Not available.

Acute effects (acute toxicity, irritation and corrosivity): Not available.

Repeated dose toxicity: Not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): Not available.

Section 12. Ecological Information

Toxicity: Not available.

Persistence and degradability: Not available

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT and vPvB: assessment Not available.

Other adverse effects: Not available.

Additional ecological information

General notes: Generally not hazardous for water

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land transport ADR/RID (cross-border)

ADR/RID class: None

Danger code (Kemler): None

UN-Number: None

Packaging group: None

Hazard label: None

Description of goods: None

Limited quantities (LQ): None

Transport category: None



Tunnel restriction code: None

Maritime transport IMDG

IMDG Class: None

UN Number: None

Label

Packaging group: None

EMS Number: None

Marine pollutant: No

Proper shipping name: None

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: None

UN/ID Number: None

Label: None

Packaging group: None

Proper shipping name: None

UN "Model Regulation": None

Environmental hazards: Not available.

Special precautions for user: Not available.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not available.

Section 15. Regulatory Information

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

Section 355 (extremely hazardous substances): Substance is not listed.

Section 313 (Specific toxic chemical listings): Substance is not listed.

TSCA (Toxic Substances Control Act): Substance is listed.

Proposition 65

Chemicals known to cause cancer: Substance is not listed.

Chemicals known to cause reproductive toxicity for females: Substance is not listed.

Chemicals known to cause reproductive toxicity for males: Substance is not listed.

Chemicals known to cause developmental toxicity: Substance is not listed.

Carcinogenicity Categories

EPA (Environmental Protection Agency): Substance is not listed.

IARC (International Agency for Research on Cancer): Substance is not listed.

NTP (National Toxicology Program): Substance is not listed.

TLV (Threshold Limit Value established by ACGIH): Substance is not listed.



MAK (German Maximum Workplace Concentration): Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): Substance is not listed.

Risk phrases: 36/37/38 Irritating to eyes, respiratory system and skin.

National regulations

Water hazard class: Generally not hazardous for water.

Other regulations, limitations and prohibitive regulations

Candidate list of Substances of very high concern (SVHC) according to ECHA

(18/6/2010): Substance is not listed.

REACH Regulation Annex XVII Restriction List: Substance is not listed.

REACH Regulation Annex XIV Authorization Recommendation List: Substance is not listed.

Chemical safety assessment: Not available.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 9/11/2015

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