



湖北远大生命科学与技术有限责任公司

Hubei Grand Life Science & Technology Co., Ltd.

FUCHI TOWN, YANGXIN COUNTY, HUANGSHI CITY, HUBEI, CHINA

MATERIAL SAFETY DATA SHEET

Date: JAN 01, 2019

Section 1-Chemical Product and Company Identification

Product Name: Taurine

Chemical name : 2-amino ethanesulfonic acid

Recommended Uses : Nutrition enhancer

Restriction on use : N/A

Company Identification : Hubei Grand Life Science & Technology Co., Ltd.

Address : No12. Wangfen Road,Fuchi Town, Huangshi City, Hubei, China

Post Code : 435229

TEL: +86-714-7533347

FAX: +86-714-7531503

Manufacturer Name : Hubei Grand Life Science & Technology Co., Ltd.

Section 2-Hazards Identification

Physical and chemical hazards : The product is non-combustible.

Human health hazards : If contact or inhaled this product may cause irritation to eyes,skin and respiratory.

Environment hazards : N/A

Specific hazards : N/A

UN Hazard Class : N/A

European Labeling in Accordance with EC 1272/2008 Directives:

Physical Hazards	Classification	Health and Environmental Hazards	Classification
Explosives	None	Acute toxicity	ND.
Flammable gases	NA.	Skin corrosion/irritation	2
Flammable aerosols	NA.	Serious eye damage/eye irritation	2
Oxidizing gases	NA.	Respiratory sensitization	ND.
Gases under pressure	NA.	Skin sensitization	ND.
Flammable liquids	NA.	Germ cell mutagenicity	ND.
Flammable solids	None	Carcinogenicity	ND.
Self-reactive substances	None	Toxic to reproduction	ND.
Pyrophoric liquids	NA.	Target organ systemic toxicity(Single exposure)	3
Pyrophoric solids	None	Target organ systemic	ND.




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		toxicity(Repeated exposure)	
Self-heating substances	None	Aquatic toxicity(Acute)	ND.
Substances,which in contact with water, emit flammable gases	None	Aquatic toxicity(Chronic)	ND.
Oxidizing liquids	NA.		
Oxidizing solids	None		
Organic peroxides	None		
Corrosive to metals	None		

Label elements :

Classification	the assigned pictogram	signal word	hazard statement code
Skin Irrit.2		Warning	H315 : Causes skin irritation.
Eye Irrit.2			H319 : Causes serious eye irritation.
STOT SE 3			H335 : May cause respiratory irritation,

Precautionary statements code :

P261 : Avoid breathing dust / smoke / mist / vapors / spray.

P264 : Wash thoroughly after handling...

P271 : only outdoors or in a well-ventilated area.

P280 : Wear protective gloves / protective clothing / wear protective goggles / face protection.

P302+P352 : If on skin : wash with plenty of water / ...

P304+P340 : If inhaled : remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 : If in eyes : rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 : Call a poison center / doctor / ... / if you feel unwell.

P321 : Specific treatment (see ... on this label).

P332+P313 : If skin irritation occurs : Get medical advice / attention.

P337+P313 : If eye irritation persists : Get medical advice / attention.

P362 : Take off contaminated clothing.

P403+P233 : Store in a well-ventilated place. Keep container tightly closed.

P405 : Store locked up.

P501 : Dispose of contents / container to ... In accordance with local / regional / national / international regulation (to be specified). Important symptoms : See Section 11 for more information.

An outline of an anticipated emergency : In case of accident or if you feel unwell, seek medical advice immediately. See Section 4 for more information.



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Section 3-Composition, Information on Ingredients

General Chemical Description : This chemical product is a substance.

Composition, Information on Ingredients :

Chemical Name	CAS NO.	Percent (by weight)	EC NO.	Hazard Statement Code
2-amino ethanesulfonic acid	107-35-7	100%	203-483-8	H315;H319;H335

Section 4-First Aid Measures

Inhalation : If inhaled, remove to fresh air. Get medical aid if cough or other symptoms appear.

Skin : Wipe off the product and remove the contaminated clothing. Wash the affected area with soap and water. Wash clothing before reuse. Get medical aid if irritation develops or persists.

Eyes : Do not allow victim to rub eyes. In case of contact, immediately flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if easily possible. Get medical aid if symptoms occur.

Ingestion : If swallowed, induce vomiting under the guidance of professional doctors. If the injured is fully conscious : wash mouth out with water, then give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Most important acute and delayed symptoms / effects : See Section 11 for more information.

Protection of first-aiders : Use proper personal protective equipment as indicated in Section 8.

Note To Physicians : Treat symptomatically and supportively.

Section 5-Fire Fighting Measures

Extinguishing Media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.--Foam,carbon dioxide,chemical powder,dry sand,water spray or fog.

Specific Hazards : The product is non-combustion. But under high temperature or a fire, this product will generate irritating / toxic fumes / smokes containing carbon oxides and nitrogen oxides.

Specific Extinguishing Methods : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Move containers from fire area if this can be done without risk. Prevent run off from fire control dilution from entering streams or drinking water supply.



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Protective Equipment : As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA / NIOSH (approved or equivalent), and full protective gear.

Section 6-Accidental Release Measures

Person-related Safety Precautions : Avoid walk through spilled material. Review Section 5 and Section 7 sections before proceeding with clean-up. Use proper personal protective equipment as indicated in Section 8.

Measures for Environmental Protection : Avoid dispersal of spilled material and runoff and contact with soil, water ways, drains and sewers,

Measures for Cleaning / Collecting : Remove all sources of ignition. Stop leak if safe to do so. Move containers from spill area. Scrape up and place in sealable appropriate container for disposal according to local regulations.

Section 7-Handling and Storage

General Information : This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Storage : Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances (see section 10), any sources of ignition or heat (e.g. Open flames, hot surfaces), foodstuffs, beverages and foods. Inspect regularly for deficiencies such as damage or leaks. Treat carefully, avoid physical damage to containers. The storage area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment.

Handling : Ensure good local exhaust ventilation. Handle and open container with care. Keep container tightly closed and away from incompatible substances (see section 10), any sources of ignition or heat (e.g. open flames, hot surfaces), foodstuffs, beverages and foods. Avoid contact with eyes, skin and clothing. Avoid ingestion. Avoid inhalation dust. Remove contaminated clothing and shoes. Wash clothing and shoes thoroughly before reuse. Empty containers retain product residue. The work area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment.



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Section 8-Exposure Controls, Personal Protection

Exposure Limit : No data available.

Monitoring Methods : No information found.

Engineering Controls : Use adequate ventilation to keep airborne concentrations low. Equipped with safety shower and eyes bath.

Personal Protective Equipment :

- Respirators : An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when fire.
- Hand Protection : It is recommended to wear appropriate protective gloves when there is the risk of greater exposure.
- Eyes : Use appropriate safety glasses when there is the risk of contact.
- Skin and Body Protection : It is recommended to wear appropriate protective clothing when there is the risk of greater exposure.
- Other Protection : To maintain good health habits. Smoking should be prohibited in areas where this material is stored.

Section 9-Physical and Chemical Properties

Appearance : white powder solid.

Odor : characteristic odor.

Odor threshold : N/A

PH : N/A

Melting point : N/A

Initial boiling point and boiling range : N/A

Flash Point : N/A

Evaporation rate : N/A

Explosion Limits (vol% in air) : N/A

Vapor pressure, kPa at 20°C : N/A

Relative vapor density (air=1) : N/A

Relative density (water=1) : N/A

Relative density of the vapor / air-mixture at 20°C (air=1) : N/A

Solubility in water : N/A

Octanol / water partition coefficient as log pow : N/A

Auto-ignition temperature : N/A

Decomposition temperature : N/A

Viscosity :N/A

Flammability (solid, gas) : The preliminary screening test for readily combustible solids is conducted in accordance with the regulation (Recommendations on the transport of dangerous goods manual of tests and criteria), so the product dose belongs to non-combustible.



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Section 10-Stability and Reactivity

Chemical Stability : Stable under normal storage and handling conditions.

Possibility of hazardous reactions : The product is non-combustible. Under high temperature or a fire, this product will generate irritating /toxic fumes / smokes containing carbon oxides and nitrogen oxides.

Condition to Avoid : Incompatible materials, any sources of ignition or heat (e.g. open flames, smoking, hot surfaces, excess heat), dust generation.

Incompatibilities with Other Materials : Strong oxidizing agents.

Hazardous Decomposition Products : Under high temperature or a fire, this product will generate irritating / toxic fumes / smokes containing carbon oxides and nitrogen oxides.

Hazardous Polymerization : Has not been reported.

Section 11-Toxicological Information

Toxicological Information :

Composition : CAS# 107-35-7

- RTECS# WX0175000

- LD₅₀ =>5,000mg / kg (Oral, rat)

Skin irritation / corrosion : No data available.

Eye irritation / corrosion : No data available.

Respiratory or Skin sensitisation : No data available.

Reproductive Cell Mutagenicity : No data available.

Carcinogenicity :

Composition : CAS# 107-35-7

- Not listed by ACGIH, IARC, NTP, or CA prop 65.

Reproductive Toxicity : No data available.

Specific target organ toxicity-Single exposure : No data available.

Specific target organ toxicity-Repeated exposure : No data available.

Aspiration hazard : No data available.

Potential Health Effects :

- Inhalation : If inhaled may cause respiratory irritation.
- Skin : Long-term or repeated contacted with may cause skin irritation.
- Eye : Contacted directly may cause irritation.
- Ingestion : Ingestion of this product may cause digestive tube irritation.



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Section 12-Ecological Information

Ecological Toxicity : No data available.

Persistence and degradability : No data available.

Bioaccumulative Potential : No data available.

Mobility in Soil : No data available.

PBT assessment : No data available.

Water hazard class (WGK) : No hazard.

Other Information : No data available.

Section 13-Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Disposal should be in accordance with applicable regional, national and local laws and regulations.

The generation of waste should be avoided or minimized wherever possible. Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to Section 7-Handling and Storage and Section 8-Exposure Controls / Personal Protection for additional handling information and protection of employees.

Section 14-Transport Information

Not regulated as a hazardous material for transportation. (IATA DGR 54th edition; IMDG 2010 edition; TDG Rev. 17 edition)

UN : N/A

UN Classification : N/A

UN proper Shipping Name : N/A

Packaging Sign : N/A

Packaging group : N/A

Marine Pollutant (Y/N) : N

Transport in bulk according to MARPOL 73/78 Annex II and the IBC Code : N/A

Transport Fashion : By air, by sea.

Packaging information : Double plastic inner bag that food packaged with, topical cardboard drums packaging.

Shipping Notice : Packaging is intact and transport is secure. Avoid the physical damage of the packaging. Away from heat or open flame.



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Section 15-Regulatory Information

Regulatory Information : Reference to the local, national, US, EU, CA and international regulations.

CAS No.	TSCA	IECSC	DSL / NDSL	EINECS / ELING / NLP
107-35-7	Listed	Listed	Listed in DSL	Listed

Section 16-Additional Information

Issue Time : 2013-3-21

Issue Department : Technical department

Data review unit :

Modification record : Use company mailbox instead of a private mailbox

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information :

ACGIH : (American Conference of Governmental Industrial Hygienists); BCF : (Bioconcentration Factor); BOD : (Biochemical oxygen demand); CAS : (Chemical Abstracts Service); DSL : (the Domestic Substances List of Canada); EC : (European Commission); EC₅₀ : (Median effective concentration); ENCS (MITI No.) : (Existing and New Chemical Substances of Japan); IARC : (International Agency for Research on Cancer); IATA : (International Air Transport Association); IECSC : (Inventory of Existing Chemical Substances in China); IMDG : (International Maritime Dangerous Goods); LC₅₀ : (Lethal concentration, 50 percent kill); LD₅₀ : (Lethal dose, 50 percent kill); NDSL : (the Non-domestic Substances List of Canada); NIOSH : (US National Institute for Occupational Safety and Health); NOEC : (No observed effect concentration); NTP : (US National Toxicology Program); OSHA : (US Occupational Safety and Health); PC-STEL : (Permissible concentration-time weighted average); PC-TWA : (Permissible concentration-short time exposure limit); PEL : (Permissible Exposure Level); REL : (Recommended Exposure Limit); RTECS : (Registry of Toxic Effects of Chemical Substances); STEL : (Short Term Exposure Limit); TDG : (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations); TLV : (Threshold Limit Value); TOD : (Total Organic Carbon); TSCA : (Toxic Substances Control Act of USA); TWA : (Time Weighted Average);