

Material Safety Data Sheet.

1. IDENTIFICATION

Product Identifier: TAURINE with 0.5% Anti-Caking Agent

Other Means of Identification:

Chemical Name: 2-Aminoethanesulfonic acid

Synonymes: 2-Sulfoethylamine, Tauphon

Chemical Family: Aminosulfonic Acid

Chemical Formula: $C_2H_7NO_3S$

CAS Number: 107-35-7

Recommended Use Nutritional ingredient

Restrictions on Use N/A

Initial Supplier Identifier: Gurvey & Berry Co. Inc.
310 Judson Street, Unit #15
Toronto, ON, Canada, M8Z 5T6
Tel: (416) 259-5700 Fax: (416) 259-5417
E-mail: msds@gurveyberry.com

Emergency Telephone number: Canutec +1 (613)-966-6666 - 24 hours

2. HAZARD IDENTIFICATION

GHS Classification in accordance with Hazardous Products Regulations (HPR) OR/2015-17)

Skin irritation (Category 2)

Serious Eye irritation (Category 2)

May cause respiratory irritation (Category 3)

Hazard pictograms:



GHS07

Signal word:

WARNING!

Hazard statement(s)

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

H335 – Specific target organ toxicity, Respiratorytract irritation

Precautionary statements:**Prevention:**

P261 Avoid breathing dust/mist/spray.
 P264 Wash hands thoroughly after handling
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P312 Call a doctor if you feel unwell.
 P362 Take off contaminated clothing.

P302+P352 IF ON SKIN: wash with plenty of water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses if present and easy to do - continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Storage:

P403+P233 Store in well-ventilated area.
 Keep container tightly closed.
 P405 Store locked up.

Disposal:

P501 Dispose of contents/container to a licensed waste disposal site/contractor according with local regulations.

Hazards not otherwise classified (HNOC) or not covered by GHS – None

3. COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Taurine	107-35-7	>99.5%	See section 1	
Silicon dioxide		ca 0.5%		

Notes:

4. FIRST-AID MEASURES

First aid measures by route of exposure:

General:	Move out of dangerous area. Remove any contaminated clothing. Consult a physician and show this safety data sheet.
After Ingestion:	Do not induce vomiting without medical advice. Rinse mouth with water. Consult a doctor.
After Inhalation:	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical aid.
After Skin Contact:	Remove contaminated clothing and shoes. Brush off loose particles from skin. Flush skin with soap and water at least 15 min. Seek medical attention if irritation develops.
After Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses. Seek medical attention should irritation develop or persist.

Most Important Symptoms and Effects, Acute and Delayed:

See section 2.

Ingestion:	N/A
Inhalation:	May cause irritation.
Skin Contact:	May cause skin irritation.
Eye Contact:	May cause serious eye irritation.
Medical Conditions Aggravated By Exposure:	N/A

Immediate Medical Attention and Special Treatment: N/A

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water, dry chemical, chemical foam, or alcohol resistant foam.
Unsuitable Extinguishing Media:	N/A

Special Hazards Arising from the Product:

Decomposition Products - Nitrogen oxides, carbon monoxide, and carbon dioxide, nitrogen.

Special Protective Equipment and Precautions for Fire-Fighters:

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

6. ACCIDENTAL RELEASE MEASURES

Individual Protection Measures (e.g. personal protective equipment):

Use personal protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation and avoid breathing dust.
For full list of PPE see section 8.

Methods and materials for containment and cleaning up

Small spill:

Wear personal protective equipment. Sweep up, then place into a suitable container for disposal. Avoid generating dust.

Large spill:

Evacuate the area. Communicate the hazard to other workers. Do not touch damaged containers or spilled material unless wearing a respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Use a shovel to put the solid in a convenient waste disposal container. Avoid generation of dust.
Dispose the waste container of in accordance with local and regional authority regulations.

Environmental precautions:

Don't let product enter drains, surface or ground water.

Reference to other sections:

See section 1 for emergency contact.
See section 8 for information on appropriate personal protective equipment.
See section 13 for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for Safe Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area.
Store away from flammable substances and oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
Taurine	N/A	N/A	N/A	N/A

Appropriate Engineering Controls: Good general ventilation. Mechanical exhaust recommended.
Safety shower and eye wash fountain are required.

Personal precautions, protective equipment, and emergency procedures:

Respiratory System: Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Avoid breathing dust. Use an N 95 respirator or better.

Eye/face protection Safety glasses with side-shields conforming to EN166
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection Impervious protective clothing and boots should be worn to prevent skin contact.
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Control of environmental exposure Don't let the product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form:	Crystalline powder
Color:	White- off white
Molecular Weight:	125.14
Odor:	Lightly Sour
Odor Threshold:	N/A
pH:	4.1-5.6
Melting Point/freezing point:	>300 C
Initial boiling point/boiling range:	N/A
Flash Point:	300 C
Evaporation Rate:	N/A
Flammability (solid; gas):	Not flammable
Upper flammability or explosive limits	N/A
Lower flammability or explosive limits	N/A
Vapor Pressure (mmHg):	N/A
Vapor Density (air=1):	N/A
Relative Density:	1.72 g/cm ³ at 20.1 °C
Solubility in Water:	79g/L at 20 °C – OECD test Guideline 105
Solubility in Other Agents:	Slightly soluble =0.004 parts Taurine for every 100 parts of 95% alcohol at 17 C.
Partition coefficient (n-octanol/water)	-1.3 at 20 °C – Bioaccumulation is not expected.
Autoignition	N/A
Decomposition	>300 C
Viscosity	N/A
Explosive properties	N/A
Oxidizing properties	N/A
Other information:	N/A

10. STABILITY AND REACTIVITY

Reactivity:	N/A
Chemical stability:	Stable under normal temperatures and pressures.
Possibility of hazardous reactions:	N/A
Conditions to avoid:	Heat, open flame, dust generation and incompatible materials.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide, nitrogen
Other decomposition products:	N/A

In the event of fire: See section 5.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation	Yes
Skin contact	Yes
Eyes contact	Yes
Ingestion	Yes

Acute Toxicity LD₅₀:

LD50/LC50 Oral rat >5000mg/kg

Skin corrosion/irritation: Irritant to skin and mucous membranes.

Serious Eye Damage/irritation: Irritating effect

Respiratory and/or Skin

Sensitization: N/A

Aspiration Toxicity: N/A

STOT (Specific Target Organ Toxicity)

Single Exposure: N/A

STOT (Specific Target Organ Toxicity)

Repeated Exposure: N/A

Carcinogenicity: N/A

IARC

ACGIH®

OSHA

Reproductive Toxicity: N/A

Germ Cell Mutagenicity: N/A

Interactive Effects N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No data available

Persistence and degradability:

No data available

Bioaccumulative potential:

No data available

Mobility in soil:

No data available
Other adverse effects:
No data available

13. DISPOSAL CONSIDERATIONS

Wastes of Residues: Dispose according to local, provincial, and federal regulations. Must NOT be disposed together with household garbage.
Contaminated Packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

Not hazardous for transport.

15. REGULATORY INFORMATION

CANADA
DSL/NDSL: CAS # 107-35-7 is listed on the DSL.

16. OTHER INFORMATION

This information is based upon knowledge currently available. More detailed information on the physical and chemical properties can be requested from the supplier. To the best of our knowledge, the information contained herein is accurate and complete. However, this should not be construed to imply any warranty or guarantee. Gurvey & Berry Co. Inc. shall not be held liable for any damage resulting from handling or from contact with the above chemical.

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This document will only be updated as needed.
N/A = not available.
N/D = not determined.