



SOZAL CHEMICAL INDUSTRY AND TRADE INC.

SULFAMIC ACID (AMINOSULFONIC) Page no. 1 / 9
ACID)

Which Revision Number Is It?
New Revision Date: 03/07/2026
Preparation Date: 03/07/2026
Publication date: 03/07/2026

TR

Safety Data Sheet

This document has been prepared in accordance with the provisions of Annex II Regulation of the Turkish R&D Authority, numbered 30105 and dated 23.06.2017.

SECTION 1. Identification of the substance/mixture and of the company/distributor.

1.1. Substance/Mixture Identity

Product name

SULFAMIC ACID (AMINOSULFONIC ACID) - Water Conditioning Chemical

1.2. Identified uses and uses advised against for the substance or mixture.

Designated Uses	Industrial	Professional	Consumer
Industrial Water Treatment, Boiler Heat Exchanger Scale Removal, pH Regulator Descaling Agent.		-	-

1.3. Information of the safety data sheet supplier.

Company Name

Address

Country

SOZAL CHEMICAL INDUSTRY AND TRADE INC.

Kosab Güvenli Street No:7 Kestel

16450 Bursa Türkiye

+0902243315153

+090224-3315159

(TR)

1.4. Emergency telephone number

Please consult for urgent information.

Tel: +0902243315153

National Poison Control Center (UZEM): 114

SECTION 2. Hazard identification.

2.1. Classification of the substance or mixture

The product is classified as a hazard under the provisions of Regulation 28848/2013 (TC) SEA.

Classification and identification of hazards:

Serious Eye Damage, Category 2

Skin Irritation, Category 2.

(Aquatic Chronic, Category 3)

H319

H315

H412

2.2. Label elements

Hazard labels according to Regulation 28848/2013 (TC) SEA and subsequent amendments and adaptations.

Hazard Signs: GHS07 (Exclamation Mark)



Warning Word:

Attention

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SECTION 2. Hazard identification ... / >>

Hazard Statements:	
H315	It causes skin irritation.
H319	Causes serious eye irritation.
H412	Long-lasting, harmful effects on aquatic life.
Precautionary statements:	
P264	Wash hands and skin thoroughly with water after
P273	handling. Avoid release to the environment.
P280	Protective gloves. Use protective clothing, eye protection, and face protection.
P302+P352	IF IN CONTACT WITH SKIN: Wash thoroughly with soap and water.
Continue with	IF IN CONTACT WITH EYES: Rinse carefully with water for several minutes. Remove contact lenses, if any, and rinse afterwards.
P305+P351+P338.	
P337-313	If eye irritation persists: Seek medical advice/
P501	attention. Dispose of contents/container at licensed waste facilities in accordance with local and national regulations.

2.3. Other damages

Based on currently available information, the product does not contain $\geq 0.1\%$ PBT or vPvB substances.

The product does not contain substances with endocrine-disrupting properties at concentrations $\geq 0.1\%$.

SECTION 3. Composition/Information about ingredients.

3.1. Articles
Irrelevant information
3.2. Mixtures
Contents:
Introduction: SULFAMIC ACID (AMINOSULFONIC ACID)
Concentration %:x ≥ 99.5 (Active Acidity)
CAS No: 5329-14-6
EC No: 226-218-8
Classification 28848/2013 (TC) SEA Regulation: Eye Irrit. 2 H319, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
Trace Heavy Metals (as Pb)
Concentration %: ≤ 10
mg/kg Classification 28848/2013 (TC) SEA Regulation: Not classified
Water Insoluble Substances and Moisture
Concentration %:
≤ 1.5 Classification 28848/2013 (TR) SEA Regulation: Not classified.
*Note: The pH of a 1% aqueous solution of the mixture in water is between 0.8 and 1.5 (Strongly Acidic). The amount of insoluble substance alone is $\leq 0.1\%$. It is restricted.

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CHAPTER 4. First aid measures.			
4.1. Description of first aid measures			
RESPIRATORY: Move the person to fresh air. Seek medical advice/assistance if coughing or respiratory irritation persists. SWALLOWING: Seek medical advice/assistance. Rinse mouth with water. Do not induce vomiting. Only attempt to induce vomiting on the advice of a doctor. If the person is unconscious, do not give anything by mouth. SKIN CONTACT: Shake the powder off your skin. Remove all contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, consult a doctor. EYE CONTACT: To avoid scratching the eyes with dust particles, do not rub. Keep eyelids open and rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if wearing them. If irritation persists, consult a doctor.			
4.2. Acute and delayed significant symptoms and effects			
Due to its strong local acidic effect, it can cause severe burning and irritation in the eyes, redness of the skin, and coughing in the respiratory tract if the dust is inhaled.			
4.3. First signs that require medical intervention and specialized treatment.			
Apply symptomatic treatment.			
CHAPTER 5. Firefighting measures.			
5.1. Fire extinguishers			
SUITABLE FIRE EXTINGUISHING AGENTS			
Commonly used types of fire extinguishing equipment include: water spray, carbon dioxide, foam, and dry chemical powder.			
UNSUITABLE EXTINGUISHING AGENTS: There is no particularly unsuitable equipment.			
5.2. Specific hazards arising from the substance or mixture			
HARMFUL EFFECTS OF EXPOSURE IN CASE OF FIRE: The product itself is not flammable. However, if it undergoes thermal decomposition under fire conditions, sulfur oxides (SOx), nitrogen oxides (NOx), and ammonia gases may be released. Avoid inhaling combustion products.			
5.3. Recommendations for firefighting teams			
GENERAL			
INFORMATION Cool containers with water jets to prevent product decomposition and toxic gas release. Absolutely prevent extinguishing water from being discharged into the sewage system.			
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING TEAMS: Self-contained open-circuit compressed air breathing apparatus (EN 137), fully alkali and abrasion-resistant protective clothing (EN 469), protective gloves (EN 659).			

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CHAPTER 6. Measures against accidental release.			
6.1. Personal precautions, protective equipment and emergency procedures			
Stop the leak if there is no danger. Avoid dust generation. Use appropriate protective equipment (including dust mask and goggles as specified in section 8) to prevent contamination of skin, eyes and personal clothing.			
6.2. Environmental measures			
The product should not enter the sewage system or come into contact with surface or groundwater. It is harmful to receiving environments.			
6.3. Methods and materials for containment and cleaning.			
Sweep or vacuum up any leaking/drip dry powder into sealed containers without raising it into the air. Remove all residue and dust completely. [Regarding the leak...] Ensure adequate ventilation in the area where the contamination occurred. Dispose of contaminated material according to section 13.			
6.4. References to other sections			
Information regarding personal protection and disposal is provided in sections 8 and 13.			
SECTION 7. Handling and storage			
7.1. Precautions for safe handling			
Prevent dust from rising. Avoid contact with skin and eyes. Prevent the product from spreading to the environment. Do not eat, drink, or smoke while using the product. Wash your hands after use.			
7.2. Conditions for secure storage, including disputes.			
Keep the product in its clearly labeled original packaging. Store containers tightly closed in a well-ventilated, dry place, protected from moisture and direct sunlight. Keep away from strong bases, nitrites, and chlorine compounds.			
7.3. Specific end-use(s)			
. Specific end use(s)			
SECTION 8. Exposure controls/personal protection			
8.1. Control parameters			
Regulatory references: Turkish Regulation on Health and Safety Measures in Working with Chemical Substances, dated 12.08.2013 / 28733.			
Limit values for general organic powders: TWA: 10 mg/m3.			
8.2. Exposure controls HAND			
PROTECTION: It is recommended to use standard protective nitrile or rubber gloves (EN 374).			
SKIN PROTECTION:			
Appropriate protective work clothing and long-sleeved garments.			
EYE PROTECTION:			
Dustproof safety glasses are mandatory (EN 166).			
RESPIRATORY PROTECTION:			
If dust concentrations are high, dust masks with P2 particle filters conforming to EN 149 standard should be used.			

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CHAPTER 9. Physical and chemical properties			
9.1. Information about basic physical and chemical properties			
Features	Valence		
Physical Condition	Solid (Free-flowing crystalline powder)		
Colour	White		
Smell	Odorless		
Melting point/freezing point	205°C (decomposition		
Initial boiling point	begins) not available (decomposes without		
Flammability	melting) not		
Lower explosive limits	available not		
Upper explosive limits	available not		
Flash point	available not		
Flash point	available not		
Decomposition	available		
temperature pH (in 1% aqueous solution):	> 205°C		
Kinematic viscosity,	0.8-1.5 not		
solubility.	available Completely soluble		
Coefficient of distribution: n-octanol/water	in water not		
Vapor pressure	available not		
Density and/or Relative Density	available 0.75 ± 0.10		
Relative vapor density	g/cm³ not		
Particle properties	available applicable (in crystalline powder form)		
9.2. Other information			
9.2.1. Information on physical hazard classes: No information available.			
9.2.2. Other security features			
Water-insoluble matter <= 0.1%. Heavy metals (as Pb) <= 10 mg/kg.			
CHAPTER 10. Stability and Reactivity			
10.1. Reaction			
It reacts violently with bases, alkalis, nitrites, and chlorates.			
10.2. Chemical stability			
It is stable under dry conditions and at normal room temperature. Its aqueous solutions slowly hydrolyze to ammonium bisulfate at high temperatures.			
10.3. Possibility of harmful reactions			
It can release explosive nitrogen gas upon contact with nitrite salts or nitric acid...			
10.4. Situations to avoid			
Excessive humidity (causes the product to clump), high temperatures (>200°C)...			
10.5. Substances to avoid			
Strong bases, sodium/potassium nitrite, hydrochloric acid-based bleaches (risk of chlorine gas release).			
10.6. Hazardous decomposition products:			
Thermal decomposition produces sulfur dioxide (SO2), sulfur trioxide (SO3), and ammonia gases.			
EPY 11.5.2 - SDS 1004.14			

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CHAPTER 11. Toxicological information			
11.1. Information about toxic effects			
ACUTE TOXICITY: _____			
It has a low toxicity level (Oral LD50, rat: >3160 mg/kg).			
SKIN ABRUPTION / SKIN IRRITATION: _____			
It causes skin irritation (H315).			
SERIOUS EYE DAMAGE / EYE IRRITATION: _____			
It causes serious eye irritation (H319).			
RESPIRATORY TRACT OR SKIN SENSITIZATION: _____			
It does not meet the classification criteria.			
SEX CELL MUTAGENICITY: _____			
It does not meet the classification criteria. Use the code carefully.			
CARCINOGENICITY: _____			
It does not meet the classification criteria. -			
REPRODUCTIVE TOXICITY: _____			
It does not meet the classification criteria. -			
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE: _____			
It does not meet the classification criteria.			
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE: _____			
It does not meet the classification criteria.			
HARMFUL ASPIRATION: _____			
It does not meet the classification criteria. -			
11.2. Information about other hazards.			
The product does not contain substances with endocrine-disrupting properties.			

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CHAPTER 12. Ecological Information			
12.1. Toxicity			
: Long-lasting harmful effect in aquatic environment (H412). (LC50 - Pimephales promelas: 70.3 mg/l/96h).			
12.2. Persistence and degradability			
It is an inorganic compound, not biodegradable, but neutralizes in aquatic environments to form sulfate salts.			
12.3. Bioaccumulation potential			
There is no bioaccumulation potential.			
12.4. Mobility in soil			
It has high mobility because it dissolves completely in water.			
12.5. Results of PBT and vPvB evaluation			
It does not contain more than 0.1% PBT or vPvB substances.			
12.6. Endocrine disrupting properties			
Endocrine disrupting properties: Does not contain substances with endocrine disrupting properties.			
12.7. Other adverse effects.			
No information available.			
SECTION 13. Disposal Information			
13.1. Waste processing methods			
If possible, reuse it. This should be done by delivering it to a licensed disposal or recycling company as non-hazardous special waste in accordance with waste management regulations. Do not mix with household waste.			
CONTAMINATED PACKAGING: Empty packaging should be sent to recycling or disposal facilities in accordance with local waste regulations.			
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CHAPTER 14. Transportation Information			
It does not fall into the dangerous goods category according to international transport regulations (ADR, RID, IMDG, IATA). It does not have a UN number. It can be transported safely.			
UN number			
UN number: UN 2967			
14.1. Appropriate UN shipping name			
SULFAMIC ACID			
14.3. Transportation hazard class(es):			
Class 8 (Abrasive)			
14.4. Packaging group: III			
14.5. Environmental hazards: Not a marine pollutant.			
14.6. Special precautions for the user			
Protect from moisture. Transport upright in original sealed bags. Keep away from alkaline chemicals.			
CHAPTER 15. Regulatory information			
15.1. Safety, health and environmental regulations specific to the substance or mixture.			
<u>Classified and labeled in accordance with the provisions of the KKDyK Regulation No. 30105 dated 23/06/2017 and the SEA Regulation No. 28848 dated 11/12/2013:</u>			
15.2. Chemical safety assessment			
No chemical safety assessment has been carried out for the mixtures.			
EPY 11.5.2 - SDS 1004.14			

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CHAPTER 16. Other Information					
The full text of the (H) hazard codes specified in sections 2 and 3 of the Form is as follows: H315 Causes skin irritation. H319 Causes serious eye irritation. H412 Long-lasting harmful effects in aquatic environment. The product is shipped with a manufacturer's quality certificate (COA) and third-party testing certificates. For industrial water treatment only. for use in processes Prepared by: Name and Surname: Sena Nur İFAK Contact Information: 0224-3315153 Document Validity Date: 26.03.2029 Certificate Number: NBC/04.69.06					