

1-Amino-2-Naphthol-4-Sulfonic Acid Solution for Silica

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 12/11/2013 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : 1-Amino-2-Naphthol-4-Sulfonic Acid Solution for Silica
Product code : LC10890

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : For laboratory and manufacturing use only.

1.3. Details of the supplier of the safety data sheet

LabChem Inc
Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court
Zelienople, PA 16063 - USA
T 412-826-5230 - F 724-473-0647
info@labchem.com - www.labchem.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315
Eye Irrit. 2A H319

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H315 - Causes skin irritation
H319 - Causes serious eye irritation
Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling
P280 - Wear protective gloves, eye protection
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
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

2.3. Other hazards

Other hazards not contributing to the classification : None.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

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Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	84.25	Not classified
Sodium Bisulfite (Sodium Hydrogen Sulfite)	(CAS No) 7631-90-5	15	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302
Sodium Sulfite, Anhydrous	(CAS No) 7757-83-7	0.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
1-Amino-2-Naphthol-4-Sulfonic Acid	(CAS No) 116-63-2	0.25	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

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

Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Safety glasses. Gloves.
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Wash exposed skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, incompatible materials. Keep container closed when not in use.
- Incompatible products : Strong oxidizers. Strong acids.
- Incompatible products : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
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8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.
- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Wear appropriate mask.
- Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : light brown.
- Odour : characteristic.
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Self ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapour pressure : No data available
- Relative vapour density at 20 °C : No data available
- Relative density : No data available
- Solubility : Soluble in water.
- Log Pow : No data available
- Log Kow : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available
- Explosive properties : No data available
- Oxidising properties : No data available

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Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Unstable on exposure to light.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong oxidizers.

10.6. Hazardous decomposition products

Sulfur compounds. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

1-Amino-2-Naphthol-4-Sulfonic Acid Solution for Silica	
LD50 oral rat	12331 mg/kg
Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)	
LD50 oral rat	1420 - 1630 mg/kg (Rat)
Water (7732-18-5)	
LD50 oral rat	≥ 90000 mg/kg
Sodium Sulfite, Anhydrous (7757-83-7)	
LD50 oral rat	2610 mg/kg
LC50 inhalation rat (mg/l)	> 5.5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)	
IARC group	3 - Not classifiable
Sodium Sulfite, Anhydrous (7757-83-7)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

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SECTION 12: Ecological information

12.1. Toxicity

Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)	
LC50 fishes 1	220 mg/l (50 h; Pisces)
LC50 other aquatic organisms 1	81 mg/l (50 h; Daphnia magna)
LC50 fish 2	90 - 430 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
TLM fish 1	240 ppm (96 h; Gambusia affinis)
Threshold limit other aquatic organisms 1	81 mg/l (50 h; Daphnia magna)
Threshold limit other aquatic organisms 2	< 8.2 mg/l (24 h; Pseudomonas fluorescens)
Threshold limit algae 1	8.2 mg/l (0.5 h; Chlorophyta; Photosynthesis)
Threshold limit algae 2	8.2 mg/l (0.5 h; Scenedesmus quadricauda; Photosynthesis)

Sodium Sulfite, Anhydrous (7757-83-7)	
LC50 fishes 1	220 - 460 mg/l

12.2. Persistence and degradability

1-Amino-2-Naphthol-4-Sulfonic Acid Solution for Silica	
Persistence and degradability	Not established.

1-Amino-2-Naphthol-4-Sulfonic Acid (116-63-2)	
Persistence and degradability	Not established.

Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)	
ThOD	0.154 g O ₂ /g substance

Water (7732-18-5)	
Persistence and degradability	Not established.

Sodium Sulfite, Anhydrous (7757-83-7)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

1-Amino-2-Naphthol-4-Sulfonic Acid Solution for Silica	
Bioaccumulative potential	Not established.

1-Amino-2-Naphthol-4-Sulfonic Acid (116-63-2)	
Bioaccumulative potential	Not established.

Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)	
Bioaccumulative potential	Not bioaccumulative.

Water (7732-18-5)	
Bioaccumulative potential	Not established.

Sodium Sulfite, Anhydrous (7757-83-7)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

No dangerous good in sense of transport regulations

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Additional information

Other information : No supplementary information available.

ADR

Transport document description :

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

1-Amino-2-Naphthol-4-Sulfonic Acid (116-63-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

RQ (Reportable quantity, section 304 of EPA's List of Lists) : 5000 lb

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium Sulfite, Anhydrous (7757-83-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

1-Amino-2-Naphthol-4-Sulfonic Acid Solution for Silica

WHMIS Classification : Class D Division 2 Subdivision B - Toxic material causing other toxic effects

1-Amino-2-Naphthol-4-Sulfonic Acid (116-63-2)

WHMIS Classification : Uncontrolled product according to WHMIS classification criteria

Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification : Uncontrolled product according to WHMIS classification criteria

Water (7732-18-5)

WHMIS Classification : Uncontrolled product according to WHMIS classification criteria

Sodium Sulfite, Anhydrous (7757-83-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification : Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

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Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

Listed on the Canadian Ingredient Disclosure List

Sodium Sulfite, Anhydrous (7757-83-7)

Not listed on the Canadian Ingredient Disclosure List

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

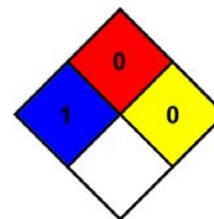
Full text of H-phrases: see section 16:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Met. Corr. 1	Corrosive to metals, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS HazCom 2012)

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