

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
Issue date: 12/11/2013 Revision date: 5/12/2022 Supersedes: 9/2/2016 Version: 1.1

SECTION 1: Identification

1.1. Identification

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

1.2. Recommended use and restrictions on use

Use of the substance/mixture : For laboratory and manufacturing use only.
Recommended use : Laboratory chemicals
Restrictions on use : Not for food, drug or household use

1.3. Supplier

LabChem, Inc.
1010 Jackson's Pointe Ct.
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 +1-703-741-5970

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2A	H319	Causes serious eye irritation
Full text of H statements : see section 16		

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



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 and wash before reuse.

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

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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	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

Full text of hazard classes and H-statements : see section 16

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	: Allow affected person to breathe fresh air. 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 (acute and delayed)

Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Obtain medical assistance.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

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

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

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|--------------------------------|---|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering 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

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

6.1.2. For emergency responders

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|----------------------|--|
| 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

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|-------------------------|--|
| 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. |
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6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| 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 vapor. |
| 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 materials | : Sources of ignition. Direct sunlight. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

No additional information available

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Safety Data Sheet

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

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

No additional information available

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

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	5 mg/m ³ (Sodium bisulfite; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL (TWA)	5 mg/m ³
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Sodium Sulfite, Anhydrous (7757-83-7)

No additional information available

Water (7732-18-5)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Safety glasses. Gloves.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Respiratory protection not required in normal conditions

Personal protective equipment symbol(s):



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
Color	: light brown
Odor	: characteristic

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

Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: 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 (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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

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

LD50 oral rat	12331 mg/kg
ATE US (oral)	12331 mg/kg body weight

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

LD50 oral rat	2150 – 2610 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Read-across; 2746 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Read-across)
LD50 dermal rat	> 2000 mg/kg body weight (Rat; Read-across; OECD 402: Acute Dermal Toxicity)
ATE US (oral)	500 mg/kg body weight

Sodium Sulfite, Anhydrous (7757-83-7)

LD50 oral rat	2610 mg/kg
LC50 Inhalation - Rat	> 5.5 mg/l/4h
ATE US (oral)	2610 mg/kg body weight

Water (7732-18-5)

LD50 oral rat	≥ 90000 mg/kg
ATE US (oral)	90000 mg/kg body weight

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

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

IARC group	3 - Not classifiable
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Sodium Sulfite, Anhydrous (7757-83-7)

IARC group	3 - Not classifiable
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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Likely routes of exposure	: Inhalation. Skin and eye contact.
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

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

LC50 fish 1	316 mg/l (LC50; DIN 38412-15; 96 h; Leuciscus idus; Static system; Fresh water; Read-across)
EC50 Daphnia 1	89 mg/l (EC50; EU Method; 48 h; Daphnia magna; Static system; Fresh water; Read-across)
Threshold limit algae 1	43.9 mg/l (EC50; Equivalent or similar to OECD 201; 96 h; Desmodesmus subspicatus; Static system; Fresh water; Read-across)

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

Sodium Sulfite, Anhydrous (7757-83-7)

LC50 fish 1	220 – 460 mg/l
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12.2. Persistence and degradability

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

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

Persistence and degradability	Not established.
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Sodium Bisulfite (Sodium Hydrogen Sulfite) (7631-90-5)

Persistence and degradability	No test data available. No test data on mobility of the substance available. Not established.
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ThOD	0.154 g O ₂ /g substance
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Sodium Sulfite, Anhydrous (7757-83-7)

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

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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

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

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

Bioaccumulative potential	No bioaccumulation data available. Not established.
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Sodium Sulfite, Anhydrous (7757-83-7)

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

Bioaccumulative potential	Not established.
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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. Disposal methods

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

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

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
1-Amino-2-Naphthol-4-Sulfonic Acid	116-63-2	Present	Active	
Sodium Bisulfite (Sodium Hydrogen Sulfite)	7631-90-5	Present	Active	
Sodium Sulfite, Anhydrous	7757-83-7	Present	Active	
Water	7732-18-5	Present	Active	

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

Not subject to reporting requirements of the United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
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Sodium Sulfite, Anhydrous (7757-83-7)

SARA Section 311/312 Hazard Classes	Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation
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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

15.2. International regulations

CANADA

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

Listed on the Canadian DSL (Domestic Substances List)

Sodium Sulfite, Anhydrous (7757-83-7)

Listed on the Canadian DSL (Domestic Substances List)

Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

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

Revision date : 05/12/2022

Other information : None.

Full text of H- and EUH-statements: see section 16

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation

NFPA health hazard

: 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard

: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.

Hazard Rating

Health

: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability

: 0 Minimal Hazard - Materials that will not burn

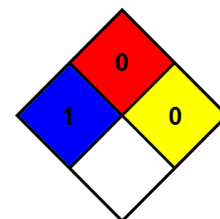
Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection

: B - Safety glasses, Gloves

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