



Material Safety Data Sheet
1-Amino-2-naphthol-4-sulfonic acid solution

Section 1 - Chemical Product and Company Identification

MSDS Name:

1-Amino-2-naphthol-4-sulfonic acid solution

Catalog Numbers:

LC10860, LC10890

Synonyms:

ANSA reagent for Silica/Phosphorus.

Company Identification:

LabChem, Inc.
 200 William Pitt Way
 Pittsburgh, PA 15238

Company Phone Number:

(412) 826-5230

Emergency Phone Number:

(800) 424-9300

CHEMTREC Phone Number:

(800) 424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
7681-57-4	Sodium metabisulfite	6.2 (#1086)
7631-90-5	Sodium bisulfite	15 (#1089)
7757-83-7	Sodium sulfite	0.5-3.7
116-63-2	1-amino-2-naphthol-4-sulfonic acid	0.1 -0.25

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

*Appearance: Colorless**Caution! Corrosive. May cause severe eye and skin irritation with possible burns.**Target Organs: none known.***Potential Health Effects****Eye:**

Irritation, pain, conjunctivitis, corneal burns (concentrated material).



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Skin:

Reddening and irritation, burns occur at sufficient concentrations and time of contact.

Ingestion:

Nausea, vomiting, abdominal pain, irritation of throat and gastrointestinal tract; at higher concentrations diarrhea, pulmonary edema, circulatory disturbances, unconsciousness, liver damage, central nervous system depression and death can occur.

Inhalation:

At sufficient concentrations, vapors and dusts are corrosive irritants, causing sore throat, burns, coughing, pulmonary edema, dyspnea, fatigue, pharyngitis.

Chronic:

Can produce chronic cough, sore throat, dermatitis, and conjunctivitis.

Section 4 - First Aid Measures

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once. Cover burns with loose sterile non-medicated bandages.

Skin:

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes.

Ingestion:

Give conscious victim 2-4 cupfuls of milk or water. Get medical aid at once. Induce vomiting (touch fingert to back of throat) keeping head lower than hips (prevent aspiration into lungs).

Inhalation:

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

Negligible fire and explosion hazard when exposed to heat or flame. Avoid breathing fumes or dusts.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:

No information found.

Flash Point:

No information found.

NFPA Rating:

CAS# 7732-18-5: Not published.
CAS# 7681-57-4: Not published.
CAS# 7631-90-5: Not published.
CAS# 7757-83-7: Not published.
CAS# 116-63-2: Not published.

Explosion Limits:

Lower: Upper:



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Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal. Area may be washed down with water.

Section 7 - Handling and Storage

Handling:

Wash thoroughly after handling. Avoid prolonged or repeated contact with skin.

Storage:

Store capped at room temperature. Protect from heat and incompatibles.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Provide local exhaust or general dilution ventilation.

Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Sodium metabisulfite	5 mg/m ³ TWA	5 mg/m ³ TWA	None of the components are on this list.
Sodium bisulfite	5 mg/m ³ TWA	5 mg/m ³ TWA	None of the components are on this list.
Sodium sulfite	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
1-amino-2-naphthol-4-sulfonic acid	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

OSHA Vacated PELs

Sodium metabisulfite: 5 mg/m³ TWA

Sodium bisulfite: 5 mg/m³ TWA

Sodium bisulfite: 5 mg/m³ TWA

Sodium bisulfite: 5 mg/m³ TWA

Personal Protective Equipment

Eyes:

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.



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Respirators:

Not required for normal use.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: Colorless
Odor: Slight sulfur dioxide odor
pH: Acidic
Vapor Pressure: No information found.
Vapor Density: No information found.
Evaporation Rate: < ether
Viscosity: No information found.
Boiling Point: No information found.
Freezing/Melting Point: No information found.
Decomposition Temperature: No information found.
Solubility in water: Soluble.
Specific Gravity/Density: >1
Molecular Formula: No information found.
Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials

Oxidizing agents, water reactive substances (e.g. sulfuric acid, sodium metal, potassium metal, calcium carbide).

Hazardous Decomposition Products

Oxides of nitrogen, oxides of sulfur, oxides of carbon, hydrogen sulfide, sodium oxide.

Hazardous Polymerization

Has not been reported

Section 11 - Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 7681-57-4: UX8225000.

CAS# 7631-90-5: VZ2000000.

CAS# 7757-83-7: WE2150000.

CAS# 116-63-2: QK1292000.



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LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 7681-57-4:

Dermal, guinea pig: LD50 > 1 g/kg

Oral, rat: LD50 = 1130-1900 mg/kg.

CAS# 7631-90-5:

Oral, rat: LD50 = 2 gm/kg.

CAS# 7757-83-7:

Oral, mouse: LD50 = 820 mg/kg.

CAS# 116-63-2:

No information found.

Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 7681-57-4

ACGIH: A4 - Not Classifiable as a Human Carcinogen

California: Not listed.

NIOSH: Not listed.

NTP: Not listed.

OSHA: Not listed.

IARC: Not listed.

CAS# 7631-90-5

ACGIH: A4 - Not Classifiable as a Human Carcinogen

California: Not listed.

NIOSH: Not listed.

NTP: Not listed.

OSHA: Not listed.

IARC: Not listed.

CAS# 7757-83-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 116-63-2: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:

Sodium metabisulfite - considered a corrosive irritant to skin, eyes, mucous membranes. Reproductive effects-RTECS. Sodium sulfite - corrosive irritant eye, skin, mucous membranes. Sodium bisulfite - eye, skin, mucous membrane corrosive irritant (acidic in solution).

Teratogenicity:

Reproductive:

Mutagenicity:

Neurotoxicity:

Section 12 - Ecological Information

No information found.



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Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 7681-57-4 is listed on the TSCA Inventory.

CAS# 7631-90-5 is listed on the TSCA Inventory.

CAS# 7757-83-7 is listed on the TSCA Inventory.

CAS# 116-63-2 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ)

CAS# 7631-90-5: final RQ = 5000 pounds (2270 kg)

CERCLA/SARA Section 313

None of the components are on this list.

OSHA - Highly Hazardous

None of the components are on this list.

US State

State Right to Know

Sodium metabisulfite can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

Sodium bisulfite can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

California Regulations

European/International Regulations

Canadian DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 7681-57-4 is listed on Canada's DSL List.

CAS# 7631-90-5 is listed on Canada's DSL List.

CAS# 7757-83-7 is listed on Canada's DSL List.

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Canada Ingredient Disclosure List

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 7681-57-4 is listed on Canada's Ingredient Disclosure List.

CAS# 7631-90-5 is listed on Canada's Ingredient Disclosure List.

CAS# 7757-83-7 is not listed on Canada's Ingredient Disclosure List.

CAS# 116-63-2 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: November 17, 1997

Revision Date: February 19, 2007

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