

MATERIAL SAFETY DATA SHEET

Doc. ID: P-3001 Rev. 003

Revised (month/day/year) 08/11/2012

1 Company and Product Identification

Product Name: ALINE PureSEQ

Part Number: P-3001-05, P-3001-50, P-3001-100, P-3001-400

Product Use For Research Use Only. See product literature for details.

Manufacturer / Supplier:

ALINE Biosciences LLC

175 KK New Boston St.

Woburn, Massachusetts 01801 U.S.A.

Tel: 1-888-987-3677

E-mail: info@alinebiosciences.com

Emergency information: 1-888-987-3677/ 24h

2 Hazards Identification

Emergency Overview

Brown; Clear with brown precipitate; Liquid; Odorless

Nonflammable aqueous solution.

Does not meet EU, OSHA or WHMIS criteria for hazardous materials.

Physical Hazards Sodium azide forms explosive compounds with heavy metals. This product contains concentrations of azide <0.05% (w/w) which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.

Potential Health Effects Summary

This product does not meet EU, OSHA or WHMIS criteria for hazardous materials.

See Section 11 Toxicological Information for more detailed health information.

Potential Environmental Effects: Not available

Product Hazard Classifications Meets Hazardous Criteria for Preparation/Mixture

EU: Not applicable

WHMIS: Not applicable

US OSHA: Not applicable

3 Composition and Information on Ingredients

Hazardous Ingredients: None

4 First Aid Measures

Inhalation If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.

Skin Contact In case of skin contact, wash with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.
Ingestion If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

5 Fire Fighting Measures

Flammable Properties Nonflammable aqueous solution.
Extinguishing Media Use extinguishing media suitable for surrounding fire.
Special Fire and Explosion Hazards: No special hazards determined.
Hazardous Combustion Products- No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective Equipment for Firefighters- Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

6 Accidental Release Measures

Personal Precautions No special precautions are necessary. Use good laboratory procedures.
Spill and Leak Procedures- Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.
Environmental Precautions: Contain spill to prevent migration.

7 Handling and Storage

Handling Precautions No special precautions are necessary; use good laboratory procedures.
Recommended Storage Conditions To maintain efficacy, store according to the instructions in the product labeling.

8 Exposure Controls and Personal Protection

Exposure Limits
US OSHA: None established
ACGIH: None established
DFG MAK: None established
NIOSH None established
Japan None established
Engineering Controls No special engineering controls are required. Use with good general ventilation.
Respiratory Protection Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.
Eye Protection Safety glasses or chemical goggles should be worn to prevent eye contact. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.
Skin Protection Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

9 Physical and Chemical Properties

General Information
Physical State Liquid
Color Brown
Transparency Clear with brown precipitate
Odor Odorless
Odor Threshold Not applicable
Change in condition

pH Not available
Freezing Point Not available
Boiling Point Not available
Flash Point Not applicable
Evaporation Rate Not available
Flammability (Solid, Gas) Not applicable
Flammable Limits Not available
Vapor Pressure Not available
Vapor Density Not available
Specific Gravity 1.45
Solubility
Water Miscible
Organic Not available
Coefficient of Water/Oil
Distribution- Not available
Autoignition Temp. Not applicable
Decomposition Temperature Not available
Percent Volatiles Not applicable

10 Stability and Reactivity

Stability Stable under normal temperatures and pressures.

Hazardous Incompatibilities Strong acids, Strong bases, Strong oxidizers, Metals and metallic compounds, Sodium azide forms explosive compounds with heavy metals. This product contains concentrations of azide <0.05% (w/w) which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.

Hazardous Decomposition Products- No decomposition products posing significant hazards would be expected from this product (a dilute aqueous solution).

Conditions to Avoid Avoid contact with incompatible materials.

11 Toxicological Information

Toxicity Data for Hazardous Ingredients- Not applicable

Primary Routes of Exposure- The most likely routes of exposure are skin and eye contact. Inhalation may occur if mists are formed in product use.

Potential Effects of Acute Exposure- None identified.

Potential Effects of Chronic Exposure- None identified.

Symptoms of Overexposure None identified.

Carcinogenicity No ingredients in this product are listed as carcinogens by:

ACGIH (American Conference of Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA or 67/548/EEC. (Occupational Safety & Health Administration)

Other Effects None identified.

Conditions Aggravated by Exposure. None identified

12 Ecological Information

Ecotoxicity No information available.

Biodegradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Other Adverse Effects No information available.

13 Disposal Considerations

Waste Disposal Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information. Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).

14 Transport Information

Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.

15 Regulatory Information

US Federal and State Regulations

SARA 313 Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA.

CERCLA RG's, 40 CFR 302.4- Sodium Azide is listed.

California Proposition 65 No ingredients listed.

Massachusetts MSL Sodium Azide is listed.

New Jersey Dept. of Health RTK List- Sodium Azide is listed.

Pennsylvania RTK Sodium Azide is listed.

EU Labeling Classification- Preparation not classified.

Canada- This product does not meet WHMIS criteria for hazardous materials.

PIN: Not applicable

Ingredients on Ingredient Disclosure List: Sodium Azide

Ingredients with unknown toxicological properties: None

Some hazardous ingredients listed in Section 15 are below OSHAs and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient specific concentrations required for reporting in Section 3.

16 Other Information

ALINE Bioscience Safety Rating

Code

0=none

1=slight

2=caution

3=severe

Flammability (Section V): 0

Health (Section XI): 1

Reactivity with Water (Section X): 0

Contact (Section VIII): 1

Revision Changes Revised manufacturer's address in Section 1

This MSDS complies with EC Regulation 1907/2006 (REACH)

For further information, please contact your local ALINE BIOSCIENCES representatives.

WHILE ALINE BIOSCIENCES LLC BELIEVES THE INFORMATION CONTAINED HEREIN IS VALID AND ACCURATE, ALINE BIOSCIENCES MAKES NO WARRANTY OR REPRESENTATION AS TO ITS VALIDITY, ACCURACY, OR CURRENCY. ALINE BIOSCIENCES SHALL NOT BE LIABLE OR OTHERWISE RESPONSIBLE IN ANY WAY FOR USE OF EITHER THIS INFORMATION OR MATERIALS TO WHICH IT APPLIES. DISPOSAL OF HAZARDOUS MATERIALS MAY BE SUBJECT TO LOCAL LAWS OR REGULATIONS.