



Life TechnologiesTM

Your Molecular & Cell Technology Partner



Material Safety Data Sheet

Product and Company Identification

Product Name: AmpliClean PCR Clean up kit (AP-005, AP-050, AP-500)

Product Use: For Research Use Only. Not for use in diagnostic procedures. Company: Nimagen B.V.

Lagelandseweg 56

Nijmegen

6545CG

Telephone: +31 24 8200241

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 <0.1% (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.

Potential Environmental Effects: Not available

Composition and Information on Ingredients

Hazardous Ingredients: None

First Aid Measures

Inhalation: If powder 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, flush 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.

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.

Accidental Release Measures

Personal Precautions: Use good laboratory procedures; avoid eye and skin contact.

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.

Handling and Storage

Handling Precautions: Use good laboratory procedures; avoid eye and skin contact. Recommended Storage Conditions. Keep away from incompatible material. To maintain efficacy, store according to the instructions in the product labeling.

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 aerosols are generated during use, 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.

Physical and Chemical Properties

Physical State: Liquid

Color: Brown

Transparency: Clear with brown precipitate

Odor: Odorless

Odor Threshold: Not applicable

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

Water: Miscible

Organic: Not available

Coefficient of Water/Oil Distribution: Not available

Autoignition Temp.: Not applicable **Decomposition Temperature:** Not available **Percent Volatiles:** Not applicable

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 <0.1% (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:

When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.

Conditions to Avoid: Avoid contact with incompatible materials.

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, IARC, NTP, OSHA or 67/548/EEC Annex I.

Other Effects: None identified.

Conditions Aggravated by Exposure: None identified.

Other Effects: None identified.

Conditions Aggravated by Exposure: None identified.

Ecological Information Ecotoxicity: No information available. **Biodegradability:** No information available.

Bioaccumulation: No information available. **Mobility:** No information available.

Other Adverse Effects: No information available.

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.

Transport Information

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

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.

Ingredients on Ingredient Disclosure List: Sodium Azide

Ingredients with unknown toxicological properties: None

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

End of MSDS

Life Technologies (India) Pvt Ltd.

306, Agarwal City Mall, Road 44, Pitampura, Delhi - 110034 (India)

Tel: +91-11-4220-8000; 4220-8111; 4220-8222 Fax: +91-11-4220-8444, Mobile: +91-98105-21400

Email - customerservice@lifetechindia.com | customerservice@atzlabs.com