

## 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.

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### 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

## India Contact

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