

# Safety Data Sheet

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## 1. Identification

Product Name: GeniePlex

Assay Genie  
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Product Details: All GeniePlex products, including capture beads, buffers, detection antibodies and standards if in liquid forms.

Application of the substance / the preparation: For Research Use Only (RUO)

Principal demands according to Art. 32 REACH

**Registration number(s):** --

**Authorization:** None

**Restrictions:** None

## 2. HAZARDOUS IDENTIFICATION

Classification: Not classified

**GHS Label elements, including precautionary statements:**

**Pictogram:** None

**Signal Word:** None

**Hazard Statement:** None

**Precautionary Statement:** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component: Sodium Azide (CAS No. 26628-22-8; EINECS 247-852-1; EU Index 011-004-00-7)  $\leq 0.05\%$  (w/w). Not hazardous at this concentration. The classification was made according to the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

## 4. FIRST AID MEASURES

**General information:** Offer medical observation for at least 48 hours after the accident.

**After inhalation:** Move to fresh air. If breathing is difficult/has stopped, give artificial respiration using respiratory protection. Do not use mouth-to-mouth method of resuscitation. Seek medical attention.

**After skin contact:** Immediately remove contaminated clothes, and wash with soap and copious amounts of water. Seek immediate medical attention.

**After eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**After swallowing:** Wash mouth out with water if person is conscious. DO NOT induce vomiting. Drink copious amounts of water, milk, or milk magnesia if conscious. Seek medical attention.

**Symptoms:** Contact may cause skin irritation. Contact may cause eye irritation.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards caused by the material, its products of combustion or resulting gases:**  
During heating or in case of fire, poisonous gases may be produced.

**Special protective equipment and precautions for fire-fighters:** Wear protective clothing and self-contained breathing apparatus.

**Hazardous combustion materials:** No data available.

## 6. SAFE HANDLING AND ACCIDENTAL RELEASE MEASURES

### **Personal protective equipment:**

Use only with adequate (local exhaust) ventilation or fume hood.

### **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages, and feed.
- Wash hands, face, and exposed forearms/areas after handling.
- Wash contaminated clothing before reusing.
- Ensure eyewash stations and safety showers are in close proximity to workstation.

**Breathing equipment:** No required.

**Protection of hands:** Chemical resistant gloves.

**Eye protection:** Safety goggles.

**Body protection:** Protective work clothing (lab coat).

**Environment precautions:** Prevent entry into waterways, drains, soil, and sewers. Use suitable absorbent material.

**Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Do not allow to enter any water system.

## 7. HANDLING AND STORAGE

**Information for safe handling:** Put on appropriate personal protective equipment (see Section 6). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

**Conditions for safe storage, including any incompatibilities:** Store between the following temperatures: 2 to 8°C (35.6 to 46.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent

leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.

## 8. EXPOSURE LIMITS

### Sodium Azide

**Cal/OSHA:** PEL (Ceiling - 0.1 ppm, 0.3 mg/m<sup>3</sup>)

**ACGIH:** TLV (Ceiling – 0.29 mg/m<sup>3</sup>)

**NIOSH:** REL (Ceiling – 0.3 mg/m<sup>3</sup>)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Liquid, Colored, clear

**Odor:** Odorless

**Odor Threshold:** Not Available

**pH:** 7.3-7.5

**Melting point/freezing point:** 0°C

**Boiling point:** 100°C

**Flash point:** Not applicable. Not determined.

**Evaporation rate:** No Data Available

**Flammability:** Not applicable.

**Upper explosion limit:** No Data Available

**Lower explosion limit:** No Data Available

**Vapor pressure at 20°C:** 23 hPa

**Vapor density:** No Data Available

**Relative density:** No Data Available

**Solubility:** Soluble

**Partition coefficient:** No Data Available

**Auto-ignition temperature:** No Data Available

**Decomposition temperature:** No Data Available

**Viscosity:** No Data Available

**Explosive Properties:** No Data Available

**Oxidizing Properties:** No Data Available

## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available

**Chemical stability:** Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** No data available

**Incompatible materials:** Acidic materials and metals.

**Hazardous decomposition products:** Nitrogen Oxides (NOx)

**Additional information:** Sodium azide forms explosive compounds with heavy metals. These products contain <0.05% (w/w) azide which with repeated contact with lead and copper commonly found in plumbing drains may result in the buildup of shock sensitive compounds. Should any of the materials be introduced into a sanitary sewer system, flush with copious amounts of water.

## 11. TOXICOLOGICAL INFORMATION

**Routes of Entry:** Ingestion, inhalation, skin and eye contact

**Acute Toxicity:** Oral LD50 (Sodium Azide) 27 mg/kg (rat)

**Skin Corrosion/Irritation:** Contact may cause skin irritation

**Serious eye damage/irritation:** Contact may cause eye irritation

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**STOT-single exposure:** No data available

**STOT-repeated exposure:** Kidneys and central nervous system **Aspiration hazard** No data available

## 12. ECOLOGICAL INFORMATION

**Environmental Toxicity:** No Data Available

**Aquatic Toxicity:** No Data Available

**Persistence and degradability:** No Data Available

**Bioaccumulative potential:** No Data Available

**Mobility in soil Water:** Soluble

**Results of PBT and vPvT assessment:** No data available

## 13. DISPOSAL CONSIDERATIONS

Minimize waste as much as possible.

Disposal must be made according to state and federal regulations.

## 14. TRANSPORT INFORMATION

**DOT (Ground):** Not regulated

**IMDG:** Not regulated

**IATA:** Not regulated

**ADR:** Not regulated

**AND:** Not regulated

**RID:** Not regulated

## 15. REGULATORY INFORMATION

**Product related hazard information:** The product has been classified and marked in accordance with regulations on hazardous materials.

### **Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.