

Material Safety Data Sheet

Printing date 09/20/2012

Reviewed on 09/20/2012

1 Identification of substance

- **Product details**

- **Trade name:** EduPrimer™ DNA Profiling Kit - TPA-25
EduPrimer™ DNA Profiling Kit – PV92

- **Manufacturer/Supplier:**

GenoSensor Corp
4665 South Ash Ave., Suite G-18
Tempe, AZ 85282
1-480-598-5378

- **Information department:** Technical services, customer support.

- **Emergency telephone number:**

1-480-203-9981 Use only in the event of a CHEMICAL EMERGENCY involving SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT.

Email: tech_service@genosensorcorp.com

2 Composition/information on ingredients

Chemical characterization: Substances

CAS No. Description: 7732-18-5 water

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with non-hazardous additions.
- Listing of dangerous and non-hazardous components: Void
- Additional information for the wording of the listed risk phrases refer to section 15.

3 Hazards identification

- Classification of the substance or mixture
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void
- Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:
The classification was made according to the latest editions of the EU-lists, and expanded upon from

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company and literature data.

The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is

Expanded upon from company and/or literature information.

- Label elements
- Labeling according to EU guidelines:
 - Observe the general safety regulations when handling chemicals
- The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials
- Safety phrases:
 - 60 This material and its container must be disposed of as hazardous waste.

4 First aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Induce vomiting and immediately call a doctor.

5 Firefighting measures

- Suitable extinguishing agents:
 - CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: Do not inhale explosion gases or combustion gases.

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6 Accidental release measures

- Person-related safety precautions: Ensure adequate ventilation
- Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

7 Handling and storage

- Handling
- Precautions for safe handling No special measures required.
- Information about protection against explosions and fires: No special measures required.
- Storage
- Requirements to be met by storerooms and receptacles: According to product specification
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Specific end use(s) No further relevant information available,

8 Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
- Protection of hands: Protective gloves

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- Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed goggles

9 Physical and chemical properties

General Information

- Appearance: Form: liquid Color: Colorless · Odor: Odorless Odour threshold: Not determined.
- pH-value: Not determined.
- Change in condition Melting point/Melting range: 0°C Boiling point/Boiling range:100°C
- Flash point: Not applicable
- Flammability (solid, gaseous) Not applicable. Ignition temperature: Decomposition temperature: Not determined.
- Auto igniting: Product is not selfigniting. Danger of explosion: Product does not present an explosion hazard.
- Explosion limits: Lower: Not determined.
Upper: Not determined.
- Vapor pressure at 20°C: 23 hPa · Density at 20°C: 1 g/cm³
- Relative density Not determined.
- Vapour density Not determined.
- Evaporation rate Not determined.
- Solubility in / Miscibility with Water: Fully miscible
- Segregation coefficient (n-octanol/water): Not determined.

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions Reacts with acids, alkalis and oxidizing agents.
- Dangerous products of decomposition: Danger of toxic pyrolysis products.

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11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
 - on the skin: Irritant to skin and mucous membranes.
 - on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.

12 Ecological information

- General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- Product:
 - Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
 - Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- DOT regulations:
- Hazard class: Material Safety Data Sheet acc. to ISO/DIS 11014
- Land transport ADR/RID (cross-border):
- ADR/RID class:
- Maritime transport IMDG:
- IMDG Class:

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- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class:

15 Regulations

- Sara
- Section 313 (Specific toxic chemical listings): None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):
- Proposition 65
- Chemicals known to cause cancer: None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.
- Chemicals known to cause developmental toxicity: None of the ingredients is listed.
- Cancerogenity categories
- EPA (Environmental Protection Agency) None of the ingredients is listed.
- IARC (International Agency for Research on Cancer) None of the ingredients is listed.
- NTP (National Toxicology Program) None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed.
- MAK (German Maximum Workplace Concentration) None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed.
- Product related hazard informations:
Observe the general safety regulations when handling chemicals.
The product has been classified and marked in accordance with directives on hazardous materials.
- National regulations: ·Technical instructions (air): Class Share in %
 - I 2,5-10
- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.