

## **Material Safety Data Sheet**

### **Section 1. Identification of the Substance/Mixture**

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**Product name:** PhaseShield™ Gel Tubes

**Cat. #:** M2302

#### **Manufacturer/Supplier identification**

Genzera LLC

Web: [www.genzera.bio](http://www.genzera.bio)

Tel: 203- 804-1318

Email: [info@genzera.bio](mailto:info@genzera.bio)

**For research use only. Not for use in diagnosis procedures**

### **Section 2. Hazards Identification**

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**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

#### **GHS label elements**

Not a hazardous substance or mixture.

#### **Other hazards**

None known.

### **Section 3. Composition/Information on Ingredients**

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#### **Substance / Mixture**

Mixture

#### **Components**

No hazardous ingredients

### **Section 4. First Aid Measures**

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#### **General advice**

Show this material safety data sheet to the doctor in attendance.

#### **If inhaled**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### **In case of skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

**In case of eye contact** Remove contact lenses.  
Protect unharmed eye.  
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed** If accidentally swallowed obtain immediate medical attention.  
Rinse mouth with water.

**Most important symptoms and effects, both acute and delayed**  
No information available.

**Notes to physician**  
No information available.

## **Section 5. Fire-Fighting Measures**

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**Suitable extinguishing media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Specific hazards during fire fighting** Exposure to decomposition products may be a hazard to health.

**Hazardous combustion products** Silicon oxides  
Carbon oxides  
Formaldehyde

**Further information**  
In the event of fire and/or explosion do not breathe fumes.

**Special protective equipment for fire-fighters**  
Wear self-contained breathing apparatus for firefighting if necessary.

## **Section 6. Accidental Release Measures**

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**Personal precautions, protective equipment and emergency procedures**  
Use personal protective equipment.  
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

**Methods and materials for containment and cleaning up**  
Keep in suitable, closed containers for disposal.

## **Section 7. Handling and Storage**

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**Advice on protection against fire and explosion**  
Normal measures for preventive fire protection.

**Advice on safe handling**  
For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application area.

**Further information on storage stability**

No decomposition if stored and applied as directed.

## **Section 8. Exposure Controls/Personal Protection**

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### **Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

### **Personal Protective Equipment**

<b>Hand protection Remarks</b>	The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
<b>Eye protection</b>	Safety glasses.
<b>Skin and Body Protection</b>	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Footwear protecting against chemicals
<b>Hygiene measures</b>	Keep away from food and drink. When using do not eat, drink or smoke.

## **Section 9. Physical and Chemical Properties**

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<b>Appearance</b>	liquid
<b>Color</b>	No data
<b>Odor Threshold</b>	No data
<b>pH</b>	No data
<b>Melting point / melting range</b>	No data
<b>Boiling point / boiling range</b>	No data
<b>Flash point</b>	No data
<b>Evaporation rate</b>	No data
<b>Burning rate</b>	No data
<b>Upper Explosion limit / Upper flammability limit</b>	No data

<b>Lower explosion limit / Lower flammability limit</b>	No data
<b>Vapor pressure</b>	No data
<b>Relative vapor density</b>	No data
<b>Relative density</b>	No data
<b>Density</b>	1.030 g/cm <sup>3</sup>
<b>Water solubility</b>	insoluble
<b>Solubility in other solvents</b>	partly soluble
<b>Partition coefficient: noctanol/water</b>	No data
<b>Autoignition temperature</b>	No data
<b>Decomposition temperature</b>	No data
<b>Viscosity, dynamic</b>	ca. 800 mPa.s (70 °F / 21 °C)
<b>Viscosity, kinematic</b>	No data
<b>Explosive properties</b>	No data
<b>Oxidizing properties</b>	No data

## **Section 10. Stability and Reactivity**

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<b>Reactivity</b>	None known.No decomposition if stored and applied as directed.
<b>Chemical stability</b>	None known.No decomposition if stored and applied as directed.
<b>Possibility of hazardous reactions</b>	Stable under recommended storage conditions. Hazardous decomposition products formed under fire conditions.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No data available
<b>Hazardous decomposition Products</b>	No decomposition if stored and applied as directed.

## **Section 11. Toxicological information**

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**Acute toxicity**  
Not classified based on available information.

**Product:**

**Acute oral toxicity**            No data available

**Acute inhalation toxicity**    No data available

**Acute dermal toxicity**        No data available

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

**Remarks**            May cause skin irritation in susceptible persons.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

**Remarks**            May irritate eyes.

**Respiratory or skin sensitization**

**Skin sensitization**

Not classified based on available information.

**Respiratory sensitization**

Not classified based on available information.

**Product:**

**Remarks**            May irritate eyes.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**IARC**                No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**                No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**                 No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Section 12. Ecological Information**

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**Ecotoxicity**

**Product:**

**Toxicity to fish** No data available

**Toxicity to algae/aquatic plants** No data available

**Toxicity to microorganisms** No data available

**Persistence and degradability** No data available

**Bioaccumulative potential**

**Product:**

**Bioaccumulation** No data available

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

**Ozone-Depletion Potential** Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602  
Class I Substances  
Remarks: This product neither contains, nor was  
manufactured with a Class I or Class II ODS as defined by  
the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A,  
App.A + B).

**Additional ecological information** No data available

**Section 13. Disposal considerations**

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**Disposal methods**

**Contaminated packaging** Empty containers should be taken to an approved waste  
handling site for recycling or disposal.

**Section 14. Transport Information**

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#### **International regulation**

##### **UNRTDG**

Not regulated as a dangerous good

##### **IATA-DGR**

Not regulated as a dangerous good

##### **IMDG-Code**

Not regulated as a dangerous good

#### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

#### **Domestic regulation**

##### **49 CFR**

Not regulated as a dangerous good

##### **Special precautions for user**

Not classified as dangerous in the meaning of transport regulations.

### **Section 15. Regulatory Information**

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#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

#### **SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

#### **SARA 311/312 Hazards**

No SARA Hazards

#### **SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

### **Section 16. Other Information**

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For research use only. Not intended for human or animal diagnostic or therapeutic uses.

#### **Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation,

and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative.

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**End of Material Safety Data Sheet**