

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product code** FP001, FP002, FP006, FP007, FP011, FP012, FP016, FP017, FP021, FP022, FP025, FP026, FP031, FP032, FP036, FP037, FP041, FP042, FP046, FP047, FP051, FP052, FP056, FP057, FP061, FP062, FP066, FP067, FP071, FP072, FP076, FP077, FP081, FP082, FP086, FP087, FP091, FP092, FP096, FP097, FP101, FP102, FP106, FP107, FP111, FP112, FP116, FP117, FP501, FP502, FP503, FP504, FP505, FP204

**Product name** VividFISH™ Chromosome FISH Probes  
VividFISH™ Disease Gene FISH Probes  
VividFISH™ FFPE pretreatment kit

**Contact manufacturer**  
**GeneCopoeia Inc.**

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USA  
Phone: 301-762-0888  
Fax: 301-762-3888

2. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous/Non-hazardous Components**

3. HAZARDS IDENTIFICATION

**Emergency overview** not applicable

**Information pertaining to particular dangers for man and environment** not applicable

**Classification system**

The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.

4. FIRST AID MEASURES

**After inhalation** Remove to fresh air. If symptoms persist, call physician. If not breathing, give artificial respiration.

**After skin contact** Rinse cautiously with water for several minutes. If symptoms occur, obtain medical advice.

**After eye contact** Rinse immediately with plenty of water, also under the eye lids, for at least 15minutes. If symptoms persist, call physician

**After swallowing** Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

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.

**Protective equipment** Wear self-contained breathing apparatus and protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

**Person-related safety precautions** Use personal protection equipment.

**Measures for environmental protection** Dilute with plenty of water.

### Measures for cleaning/collecting

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**Additional information** No dangerous substances are released.

## 7. HANDLING AND STORAGE

### Handling

#### Information for safe handling

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

**Information about protection against explosions and fires** No special measures required.

### Storage

**Requirements to be met by store rooms and receptacles** According to product specification

**Information about storage in one common storage facility** Not required.

**Further information about storage conditions** None.

## 8. EXPOSURE CONTROLS / 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** Not required.

**Additional information** The lists that were valid during the creation were used as basis.

### Personal protective equipment

#### General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment** Not required.

**Protection of hands** Protective gloves.

**Material of gloves** Synthetic gloves

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection** Safety glasses

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

**Form** liquid  
**Color** Colorless  
**Odor** No data available

### Change in condition

**Melting point/melting range** °C Mixture has not been tested

**Boiling point/boiling range** °C Mixture has not been tested

**Flash point** °C Mixture has not been tested

**Danger of explosion** Do not present an explosion hazard.

**Vapor pressure at 20°C** Mixture has not been tested

**Density at 20°C** Mixture has not been tested

**Solubility in / Miscibility with Water** Fully miscible

**pH-value at 20°C** 8.3

**Organic solvents** 25%

**Water** 75%

## 10. STABILITY AND REACTIVITY

### Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

### Materials to be avoided

**Dangerous reactions** No dangerous reactions known

**Dangerous products of decomposition** No dangerous decomposition products known

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Primary irritant effect

**On the skin** May cause skin irritation with susceptible persons.

**On the eye** May cause eye irritation with susceptible persons.

**Sensitization** No sensitizing effects known.

**Target organs** Not applicable.

## 12. ECOLOGICAL INFORMATION

Generally not hazardous for water.

### 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

### 14. TRANSPORT INFORMATION

#### IATA

<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations
<b>Hazard Class</b>	No information available
<b>Subsidiary Class</b>	No information available
<b>Packing group</b>	No information available
<b>UN-No</b>	UN 1845

### 15. REGULATORY INFORMATION

#### **UNITED STATES:**

TSCA:

This product is solely for research and development purposes only and may not be used, processed or distributed for a commercial purpose. It may only be handled by technically qualified individuals.

Prop 65 Listed Chemicals: No Prop 65 Chemicals.

No 313 Chemicals

#### **CANADA:**

DSL/NDSL: Not determined.

**COMPONENT DIMETHYL SULFOXIDE**

**WHMIS Classification D2B**

#### **EUROPEAN UNION:**

PRODUCT RISK PHRASES: None assigned.

PRODUCT SAFETY PHRASES: Not applicable.

PRODUCT CLASSIFICATION: Not classified

**COMPONENT DIMETHYL SULFOXIDE**

EINECS NUMBER 200-664-3

### 16. OTHER INFORMATION

#### **Abbreviations**

N/A - Data is not applicable or not available

SARA - Superfund and Reauthorization Act

HMIS - Hazard Material Information System

WHMIS - Workplace Hazard Materials Information System

NTP - National Toxicology Program

OSHA - Occupational Health and Safety Administration

IARC - International Agency for Research on Cancer

PROP 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986

EINECS - European Inventory of Existing Commercial Chemical Substances

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**End of Safety Data Sheet**