

# SAFETY DATA SHEET

Issue Date 12-Jan-2015 Revision Date 18-July-2018 Version 1.1

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

**Product identifier** 

Product Name FS#-HSC, ForenSeg™ Human Sequencing Control

Other means of identification

Product Code 15054261 Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use reagent

Details of the supplier of the safety data sheet

Manufacturer AddressCompany Phone NumberE-mail addressVerogen, Inc.1.833.837.6436info@verogen.com11111 Flintkote Avenue1.858.285.4101

11111 Flintkote Avenue San Diego, CA 92121 USA

www.verogen.com

**Emergency telephone number** 

24 Hour Emergency Phone Number 1.858.285.4101

### 2. HAZARDS IDENTIFICATION

#### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122) Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

#### **Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance colorless liquid Physical state Liquid Odor Odorless

**Precautionary Statements - Prevention** 

Handle in accordance with good industrial hygiene and safety practice

**Precautionary Statements - Response** 

Wash hands thoroughly after handling

**Precautionary Statements - Storage** 

Store away from incompatible materials

**Precautionary Statements - Disposal** 

Dispose of in accordance with federal, state and local regulations

Hazards not otherwise classified (HNOC)

Other Information

Unknown Acute Toxicity 2 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

4. FIRST AID MEASURES

First aid measures

Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if irritation develops and

persists.

**Skin Contact** Wash skin with soap and water. Get medical attention if irritation develops and persists.

**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms occur.

**Ingestion** Get medical advice/attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved and take precautions to

protect themselves.

Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

Indication of any immediate medical attention and special treatment needed

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water. Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO2).

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

None known.

**Hazardous combustion products** 

No information available.

Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

**Personal precautions**Use personal protective equipment as required.

For emergency responders

Use personal protection recommended in Section 8. Keep unnecessary personnel away.

Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later

disposal.

Methods for cleaning up

Use appropriate personal protective equipment (PPE). Contain and/or absorb spill with inert

material (specify sand, vermiculite or other appropriate material)\*, then place in suitable

container. Prevent runoff from entering drains, sewers or waterways.

### 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Store away from

incompatible materials.

**Incompatible materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of

exposure.

Contact glove manufacturer for specific information.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

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General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash after

handling this material and before eating, drinking and/or smoking. Regular cleaning

of equipment, work area and clothing is recommended.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state Liquid

Odor No information available

Property
pH

No data available

Remarks • Method
No data

No data available

pH Melting point / freezing point

Boiling point / boiling range

Flash point

Evaporation rate No data available Flammability (solid, gas) No data available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
No data available
Vapor pressure
Vapor density
No data available
Vapor density
No data available
Vater solubility
No data available
Solubility in other solvents
No data available

Solubility in other solvents
Partition coefficient
Autoignition temperature
Decomposition temperature
Kinematic viscosity
No data available

**Explosive properties**No unusual fire or explosion hazards noted.

Oxidizing properties No data available

Other Information

Softening point
Molecular weight
VOC Content (%)
Density
No data available

#### 10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions Stable under recommended storage conditions

Chemical stability

Stable under normal conditions. Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid** 

None known.

#### **Incompatible materials**

Strong oxidizing agents.

#### **Hazardous Decomposition Products**

None known based on information supplied.

### 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Product Information Low hazard for usual industrial or commercial handling by trained personnel

**Inhalation** Under normal conditions of intended use, this material is not expected to be an inhalation

hazard.

**Eye contact** Direct contact with eyes may cause temporary irritation.

**Skin Contact** Prolonged contact may cause redness and irritation.

Ingestion No harmful effects expected in amounts likely to be ingested by accident.

#### Information on toxicological effects

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Germ cell mutagenicity Not classified.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA,

IARC or NTP. Not classified.

**STOT - single exposure**STOT - repeated exposure
Not classified.
Not classified.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 2 % of the mixture consists of ingredient(s) of unknown toxicity

### 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

2 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### Persistence and degradability

Not a PBT or vPvB substance or mixture.

### **Bioaccumulation**

No data available.

#### Mobility

No data available.

#### Other adverse effects

No data available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal of wastes**Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and

regulations.

### 14. TRANSPORT INFORMATION

DOT Not regulated **TDG** Not regulated MEX Not regulated ICAO (air) Not regulated Not regulated IATA **IMDG** Not regulated **RID** Not regulated Not regulated **ADR** ADN Not regulated

### 15. REGULATORY INFORMATION

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### **US Federal Regulations**

International Inventories

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### SARA 311/312 Hazard Categories

Acute health hazard No Chronic Health Hazard No

Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

#### **U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION						
<u>NFPA</u>	<b>Health hazards</b> 0	Flammability	0	<b>Instability</b> 0	Physical and Chemical Properties -	
<u>HMIS</u>	<b>Health hazards</b> 0	Flammability	0	Physical hazards	Personal protection	
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Revision Note Not Applicable. Disclaimer

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**End of Safety Data Sheet**