

SAFETY DATA SHEET

Issue Date 12-Jan-2015 Revision Date 13-Jan-2015 Version 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 addressIllumina, Inc.1-858-809-ILMNSDS@illumina.com

5200 Illumina Way 1-858-202-4566

San Diego, CA 92122 USA

www.illumina.com

Emergency telephone number

24 Hour Emergency Phone Number 1-760-476-3962

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

AppearancecolorlessliquidPhysical stateLiquidOdorOdorOdorless

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)

15054261 FS#-HSC, ForenSeq[™] Human Sequencing Control

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

Revision Date 13-Jan-2015

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautionsUse personal protective equipment as required.

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

Revision Date 13-Jan-2015

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

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handlingUse 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 GuidelinesThis 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.

15054261 FS#-HSC, ForenSeq[™] Human Sequencing Control

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

Revision Date 13-Jan-2015

of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid

No information available Odor

 Method Property Values Remarks

No data available

No data available

Ha 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: No data available Lower flammability limit: No data available No data available Vapor pressure Vapor density No data available Specific Gravity No data available No data available Water solubility Solubility in other solvents No data available **Partition coefficient** No data available **Autoignition temperature** No data available No data available **Decomposition temperature** Kinematic viscosity No data available No data available **Dynamic viscosity**

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

Oxidizing properties No data available

Other Information

No data available Softening point Molecular weight No data available **VOC Content (%)** No data available **Density** No data available **Bulk 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 does not occur. Hazardous polymerization

Conditions to avoid

None known.

15054261 FS#-HSC, ForenSeq[™] Human Sequencing Control

Revision Date 13-Jan-2015

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.

STOT - single exposure Not classified. STOT - repeated exposure 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

Revision Date 13-Jan-2015

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

DOTNot regulatedTDGNot regulatedMEXNot regulatedICAO (air)Not regulatedIATANot regulated

IMDG Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Does not comply **DSL/NDSL** Does not comply Does not comply **EINECS/ELINCS** Does not comply **ENCS 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

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

Revision Date 13-Jan-2015

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					
NFPA	Health hazards 0	Flammability	0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 0	Flammability	0	Physical hazards	Personal protection

Issue Date 12-Jan-2015
Revision Date 13-Jan-2015

Revision Note Not Applicable. Disclaimer

Although reasonable care has been taken in the preparation of this document, Illumina makes no warranties or representations of any kind as to the accuracy or completeness of the information contained herein, and Illumina assumes no responsibility regarding the suitability of this information or the product for the user's intended purposes or for the consequences of use of this information or the use of the product. The user of this (M)SDS and product should make a determination as to the suitability of the information and the product for their particular purpose(s). To the extent provided by applicable law, Illumina shall not be held liable for any damage or expenses of any kind resulting from handling, use, storage, or disposal of the product.

End of Safety Data Sheet