

## Archer® VariantPlex™ CFTR GSP2

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Archer® VariantPlex™ CFTR GSP2  
**SDS Number:** SA0079-8-2  
**Version:** A  
**Internal ID:** SA0079-8-2  
**Supplier Details:** ArcherDX, Inc.  
 2477 55th Street  
 Suite 202  
 Boulder, CO 80301  
  
**Phone:** (877) 771-1093  
**Fax:** (303) 736-7150  
**Email:** tech@archerdx.com  
**Web:** www.ArcherDX.com

### 2 HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**  
 No GHS Classifications Indicated

#### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** **NONE**

No GHS pictograms indicated for this product

#### GHS Hazard Statements:

No GHS hazards statements indicated

#### GHS Precautionary Statements:

No GHS precautionary statements indicated

#### Hazards not Otherwise Classified (HNOC) or not Covered by GHS

**Inhalation:** No ingredients are hazardous according to OSHA criteria.  
**Skin Contact:** May be harmful if absorbed through skin. May cause skin irritation.  
**Eye Contact:** May cause eye irritation.  
**Ingestion:** May be harmful if swallowed.

### 3 COMPOSITION/INFORMATION OF INGREDIENTS

**Ingredients:**  
 No ingredients are hazardous according to OSHA criteria.

### 4 FIRST AID MEASURES

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
**Skin Contact:** Wash off with soap and plenty of water.  
**Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 5 FIRE FIGHTING MEASURES

## Archer® VariantPlex™ CFTR GSP2

<b>Flammability:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Flash Point Method:</b>	N/A
<b>Burning Rate:</b>	N/A
<b>Autoignition Temp:</b>	N/A
<b>LEL:</b>	N/A
<b>UEL:</b>	N/A

### 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Use personal protective equipment. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in a suitable, closed container for proper disposal.

### 7 HANDLING AND STORAGE

<b>Handling Precautions:</b>	Avoid Inhalation Avoid contact with eyes, skin, and clothing
<b>Storage Requirements:</b>	Keep tightly closed Store in cool, dry place Recommended storage: -20°C

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Personal Protective Equipment:</b>	HMIS PP, B   Safety Glasses, Gloves
	Respiratory: Respiratory protection not required. Work in a well ventilated area or laboratory hood.
	Hand: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
	Eye: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
	Skin and Body: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
	Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of workday. Environmental Exposure Controls: Prevent product from entering drains.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear	<b>Odor:</b>	N/A
<b>Physical State:</b>	Liquid	<b>Molecular Formula:</b>	N/A
<b>Odor Threshold:</b>	N/A	<b>Solubility:</b>	N/A
<b>Particle Size:</b>	N/A	<b>Softening Point:</b>	N/A
<b>Spec Grav./Density:</b>	N/A		

## Archer® VariantPlex™ CFTR GSP2

<b>Viscosity:</b> N/A <b>Sat. Vap. Conc.:</b> N/A <b>Boiling Point:</b> N/A <b>Flammability:</b> N/A <b>Partition Coefficient:</b> N/A <b>Vapor Pressure:</b> N/A <b>pH:</b> N/A <b>Evap. Rate:</b> N/A <b>Molecular weight:</b> N/A <b>Decomp Temp:</b> N/A	<b>Percent Volatile:</b> N/A <b>Heat Value:</b> N/A <b>Freezing/Melting Pt.:</b> N/A <b>Flash Point:</b> N/A <b>Octanol:</b> N/A <b>Vapor Density:</b> N/A <b>VOC:</b> N/A <b>Bulk Density:</b> N/A <b>Auto-Ignition Temp:</b> N/A <b>UFL/LFL:</b> N/A
---	---

**10 STABILITY AND REACTIVITY**

**Reactivity:** Stable under recommended storage conditions. Hygroscopic.  
**Chemical Stability:** Stable under recommended storage conditions. Hygroscopic.  
**Conditions to Avoid:** N/A  
**Materials to Avoid:** Strong oxidizing agents  
**Hazardous Decomposition:** Hazardous decomposition products formed under fire conditions - Carbon oxides.  
 Other decomposition products – no data available

**11 TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

**Oral LD50:** No data available  
**Inhalation LC50:** No data available.  
**Dermal LD50:** No data available.  
**No other information on acute toxicity:** No data available.

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: No component of this product at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.  
 ACGIH: No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.  
 NTP: No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or anticipated carcinogen by NTP.  
 OSHA: No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Reproductive toxicity**

No data available

**Teratogenicity**

No data available

## Archer® VariantPlex™ CFTR GSP2

**Specific target organ toxicity - single exposure (GHS)**

No data available

**Specific target organ toxicity - repeated exposure (GHS)**

No data available

**Aspiration hazard**

No data available.

**Potential Health Effects:**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

**Synergistic effects**

No data available

**Additional information**

RTECS: Not available

<b>12</b>	<b>ECOLOGICAL INFORMATION</b>
-----------	-------------------------------

Data not available.

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
-----------	--------------------------------

Dispose of in accordance with Federal, State and local regulations

<b>14</b>	<b>TRANSPORT INFORMATION</b>
-----------	------------------------------

Substance considered non-hazardous for ground or air transport. No DOT shipping name required.

<b>15</b>	<b>REGULATORY INFORMATION</b>
-----------	-------------------------------

Component (CAS#) [%] - CODES

-----

**U.S. Federal Regulations:**

**OSHA Hazards:**

No known OSHA hazards.

**SARA 302:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:**

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

**SARA 311/312 Hazards:**

No SARA hazards

**Massachusetts Right to Know Components:**

No components are subject to the Massachusetts Right to Know Act.

**California Prop 65 Components:**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any

---

**Archer® VariantPlex™ CFTR GSP2**

---

other reproductive harm.

**16****OTHER INFORMATION****Disclaimer:**

This product intended for research use only. Not for use in diagnostic procedures. Use of material must be supervised by technically qualified individual.

The above information is believed to be accurate but may not be all inclusive and shall be used as a reference guide only. ArcherDX, Inc. shall not be held liable for any damage resulting from handling or contact with this product.