

FusionPlex® Heme v2 GSP1

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: FusionPlex® Heme v2 GSP1
SDS Number: GSP0073-1
Version: A
Internal ID: GSP0073-1
Supplier Details: ArcherDX, Inc.
 2477 55th Street
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 Boulder, CO 80301

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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

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

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:	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 practice. Wash hands before breaks and at the end of workday. Environmental Exposure Controls: Prevent product from entering drains.

9 PHYSICAL AND CHEMICAL PROPERTIES

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

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

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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

12	ECOLOGICAL INFORMATION
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Data not available.

13	DISPOSAL CONSIDERATIONS
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Dispose of in accordance with Federal, State and local regulations

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

15	REGULATORY INFORMATION
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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 o the Massachusetts Right to Know Act.

California Prop 65 Components:

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

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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.