

SAFETY DATA SHEET

Applies to part number: AC2124

Section 1 Product and Company Identification

Product name: **AzureRed Fluorescent Protein Stain Powder B**
 Supplier: Azure Biosystems, Inc.
 Address: 6747 Sierra Court Suite A-B
 Dublin, CA 94568

Section 2 Composition/Information on Ingredients

Ingredient	CAS #	%
CAPS	1135-40-6	52
CAPS, Sodium Salt	N/A	48

There are no other ingredients present which within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous according to the OSHA Hazard Communications Standard (29 CFR 1910.1200) and require reporting in this section.

Section 3 Hazards Identification

CLASSIFICATION

Not classified as a hazard

HMIS RATING	
HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

NFPA RATING	
HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

Section 4 First Aid Measures

EYE CONTACT

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

SKIN CONTACT

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothes before reuse.

INHALATION

Move to fresh air. If breathing becomes difficult, give oxygen.

INGESTION

Clean mouth with water and afterwards drink plenty of water.

NOTES TO PHYSICIAN

Treat symptomatically.

Section 5 Fire Fighting Measures

FLAMABLE PROPERTIES

Not flammable

FLASH POINT

Not determined

SUITABLE EXTINGUISHING MEDIA

Dry chemical, CO₂, water spray or regular foam

HAZARDOUS COMBUSTION PRODUCTS

Carbon oxides, Nitrogen oxides (NO_x), Sulfur oxides.

EXPLOSION DATA

Sensitivity to mechanical impact

Not sensitive

Sensitivity to static discharge

Not sensitive

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.

Section 6 Accidental Release Measures

PERSONAL PRECAUTIONS	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.
METHODS FOR CONTAINMENT	Prevent further leakage or spillage if safe to do so.
METHODS FOR CLEANING UP	Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

Section 7 Handling and Storage

HANDLING	Handle in accordance with good industrial hygiene and safety practice.
STORAGE	Keep containers tightly closed in a dry, cool and well-ventilated place.
INCOMPATIBLE PRODUCTS	Strong oxidizing agents.

Section 8 Exposure Controls/PPE

EXPOSURE LIMITS	
ACGIH TLV	N/A
NIOSH REL	N/A
OSHA PEL	N/A
ENGINEERING MEASURES	Showers Eyewash stations Ventilation systems
PERSONAL PROTECTIVE EQUIPMENT	
Eye/Face Protection	Tightly fitting safety goggles.
Skin and Body Protection	Wear protective gloves/clothing
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.
HYGIENE MEASURES	Handle in accordance with good industrial hygiene and safety practice.

Section 9 Physical and Chemical Properties

Appearance:	White to off-white
Odor:	No information available
Odor threshold:	No information available
Decomposition temperature °C:	No information available
Freezing point:	No information available
Initial boiling point:	No information available
Physical state:	Powder
pH:	No data available
Flash point:	Not determined
Autoignition temperature:	No data available
Boiling point/range:	No data available
Melting point/range:	Not data available
Flammability limits in air:	Upper: No data available Lower: No data available
Explosive properties:	No information available
Oxidizing properties:	No information available

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Evaporation rate:	No data available
MMHG @ 37.8°C:	No data available
Vapor density:	No data available
Specific gravity:	No data available
Solubility:	Partly soluble
Water solubility:	Partly soluble
Partition coefficient (n-octanol/water):	No data available
Viscosity:	No information available

Section 10 Stability and Reactivity

STABILITY	Stable under recommended storage conditions.
INCOMPATIBLE PRODUCTS	Strong oxidizing agents.
CONDITIONS TO AVOID	None known based on information supplied.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides.
HAZARDOUS POLYMERIZATION	Hazardous polymerization does not occur

Section 11 Toxicological Information

ACUTE TOXICITY	May be harmful if swallowed. Vapor or mist may be irritating to the eyes, mucous membranes and upper respiratory tract. May cause skin irritation.
CHRONIC TOXICITY	No known effect based on information supplied
TARGET ORGAN EFFECTS	None known

To the best of our knowledge , the chemical, physical and toxicological properties have not been thoroughly investigated.

Section 12 Ecological Information

ECOTOXICITY	The environmental impact of this product has not been fully investigated.
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Section 13 Disposal Considerations

WASTE DISPOSAL METHODS	Dispose of material in accordance with all federal, state, and local regulations
CONTAMINATED PACKAGING	Dispose of in accordance with all federal, state and local regulations

Section 14 Transport Information

IATA	Not regulated
DOT	Not regulated

Section 15 Regulatory Information

REACH TITLE VII RESTRICTIONS	No information available
HCS CLASSIFICATION	
Dangerous substances	N/A
Organic Solvents	N/A
Harmful Substances Whose Names Are to be on the Label	N/A
Pollution Release and Transfer Registry (Class II)	N/A

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Pollution Release and Transfer Registry (Class I)	N/A
Poison and Deleterious Substances Control Law	N/A
ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	N/A
ISHA – Harmful Substances Requiring Permission	N/A
Toxic Chemical Classification Listing (TCCL) – Toxic Chemicals	N/A
Toxic Release Inventory (TRI) – Group I	N/A
Toxic Release Inventory (TRI) – Group II	N/A

INTERNATIONAL INVENTORIES

TSCA	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

U.S. FEDERAL REGULATIONS

SARA 313	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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:	Yes
	Chronic Health Hazard:	No
	Fire Hazard:	No
	Sudden Release of Pressure Hazard:	No
	Reactive Hazard:	No
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)	
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)	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)	

U.S. STATE REGULATIONS

California Proposition 65	This product does not contain any Proposiotn 65 chemicals.
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INTERNATIONAL REGULATIONS

Mexico – Grade	No information available
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WHMIS HAZARD CLASS

D2B toxic materials

Section 16 Other Information

Date of last revision: February 28, 2022 For R&D use only. Not for drug, household or other uses.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.