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MATERIAL 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: 6761 Sierra Court Suite F
Dublin, CA 94568
Phone: (925) 307-7127

Section 2 - Hazards Identification

CLASSIFICATION Not classified as a hazard

Section 3 - 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 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, CO ₂ , water spray or regular foam
HAZARDOUS COMBUSTION PRODUCTS	Carbon oxides, Nitrogen oxides (NOx), 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.
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UNUSUAL FIRE AND EXPLOSIONS HAZARDS	Emits toxic fumes under fire conditions.
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Section 6 - Accidental Release Measures

PERSONAL PRECAUTIONS	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.
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METHODS FOR CONTAINMENT
METHODS FOR CLEANING UP

Prevent further leakage or spillage if safe to do so.
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
STORAGE
INCOMPATIBLE PRODUCTS

Handle in accordance with good industrial hygiene and safety practice.
Keep containers tightly closed in a dry, cool and well-ventilated place.
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
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
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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
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

