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MATERIAL SAFETY DATA SHEET

Applies to part numbers: AC2134, AC2135, AC2136, AC2137, AC2138, AC2139, AC2140, AC2141, AC2142

Section 1 Product and company identification

Product name:	**AzureSpectra conjugates of IR800 fluorescent proteins with secondary antibodies**
Supplier:	Azure Biosystems, Inc..
Address:	6773 Sierra Court, Suite B
	Dublin, CA 94568

Recommended Use: For research use only.
Restrictions on Use: Not for clinical use. Not for internal use in animals or humans. Not for diagnostic use. Not for household or any other unintended use.

Section 2 Hazards identification

Ingredient	CAS #	%
Sodium Chloride	7647-14-5	1-2%
Potassium Chloride	7447-40-7	<0.1%
Sodium Phosphate, di-basic	7558-79-4	<1%
Potassium Phosphate, mono-basic	7778-77-0	<1%
Glycerol	56-81-5	40%
Pentachlorophenol	87-86-5	0.0001%

Pentachlorophenol (CAS# 87-86-5) is the only hazardous or carcinogenic ingredient in these mixtures, and it is present in a very low concentration (0.0001%) as an antimicrobial stabilizer. According to the OSHA Hazard Communications Standard (29 CFR 1910.1200), if a material contains less than 1% of a hazardous chemical or less than 0.1% of a carcinogen, the mixture shall not be considered hazardous. However, precautions for handling potentially dangerous reagents should be practiced when using these products.

Section 3 Composition/Information on Ingredients

WesternBright™ conjugates of various immunoglobulins and proprietary fluorescent dye supplied in solution of PBS, 40% glycerol and 0.0001% pentachlorophenol(CAS# 87-86-5).

Section 4 First Aid Measures

ORAL EXPOSURE	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
INHALATION EXPOSURE	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
DERMAL EXPOSURE	In case of contact, immediately wash skin with soap and copious amounts of water.
EYE EXPOSURE	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

FLASH POINT	N/A
AUTOIGNITION TEMP	N/A
FLAMMABILITY	N/A
EXTINGUISHING MEDIA	
Suitable:	Water spray. Carbon dioxide, dry chemical powder, or alcohol-resistant foam.
Not suitable:	Not known
FIREFIGHTING	
Protective Equipment:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 Accidental Release Measures

METHODS FOR CLEANING UP: **Spill and Leak Response:** For small releases, treat the products as water, but take basic hygiene precautions. Lightweight gloves, lab coat, and eye protection should be worn. Absorb spilled material with paper towels. Wash contaminated area with soap and water, absorb with paper towels, and rinse with water. Trained personnel using pre-planned procedures should respond to large releases that are not immediately controlled. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

In the event of a non-incidental, minimum release, personal protective equipment should be: **Level D:** lab gloves, chemical resistant apron, boots, and splash goggles. Respiratory protection should not be necessary. Absorb spilled liquid with poly pads or other suitable materials. Decontaminate the spill area thoroughly. Place all spill residues in a suitable container and seal. Dispose of in accordance with Federal, State, and local hazardous waste disposal regulations.

Section 7 - Handling and Storage

HANDLING

User Exposure:	Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable:	Keep tightly closed. Store at -20°C.

Section 8 - Exposure Controls / PPE

PERSONAL PROTECTIVE EQUIPMENT

Respiratory:	Respiratory protection not required. If desired, use multi-purpose respirator.
Hand:	Protective gloves.
Eye:	Chemical safety goggles.
GENERAL HYGIENE MEASURES:	Wash thoroughly after handling.

Section 9 - Physical and chemical properties

APPEARANCE PHYSICAL STATE:	Green-colored liquid with neutral pH.

Section 10 Stability and Reactivity

STABILITY:	Stable under recommended storage conditions
Materials to Avoid:	Strong oxidizing agents, acids, bases.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization:	Will not occur.

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact:	Causes skin irritation.
Skin Absorption:	May be harmful if absorbed through the skin.
Eye Contact:	Causes eye irritation.
Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion:	Harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

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

Section 12 Ecological Information

No known significant effects or critical hazards.

Section 13 Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Observe all federal, state, and local environmental regulations.

Within the present knowledge of the supplier, this product is not regarded as hazardous waste.

Section 14 Transport Information

DOT

Proper Shipping Name:	None
Non-Hazardous for Transport:	This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport:	Non-hazardous for air.

Section 15 Regulatory Information

OSHA Hazards: Target organ effect. Harmful by ingestion. Toxic by skin absorption. Irritant.

Section 16 Other information

Date of last revision: May 19 2014.

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.