

Document: D-54051  
Version: D-54051-006  
Release date: Feb 27, 2009  
Update date: Sep 11, 2020  
Printed on: Sep 11, 2020

# SAFETY DATA SHEET

Applies to part numbers: R-05051-050 R-05051-250 R-05052-050 R-05052-250

## Section 1. Product and company identification

Product(s): **WesternBright® conjugates of fluorescent proteins with secondary antibodies.**  
Supplier: Advansta Inc.  
Address: 2140 Bering Drive  
San Jose, CA 95131

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.

This statement applies to all fluorescent conjugates provided for Fluorescent Western blotting applications. Conjugates are available as separate items or as components of kits designed for specific applications. Kits may include other additional items that may require separate MSDS.

## Section 2. Hazard(s) Identification

Pentachlorophenol is highly toxic. It is also a possible carcinogen. Chronic exposure may cause reproductive disorder(s) based on results with laboratory animals.

## Section 3. Composition/Information on Ingredients

WesternBright® conjugates of various immunoglobulins and fluorescent phycobiliproteins (R-phycoerythrin, Allophycocyanin) supplied in solution of 10 mM Tris-HCl, 150 mM NaCl (pH 8.2) and 1 µg/ml pentachlorophenol.

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 4. First-Aid Measures

IF IN DOUBT SEEK MEDICAL ADVICE.

In case of

contact with eyes and skin:	irrigate with plenty of water for at least 15 minutes.
ingestion:	wash mouth with water (provided victim is conscious), drink plenty of water. OBTAIN MEDICAL ATTENTION.
inhalation:	move to a well ventilated area and clear nose and throat.

## Section 5. Fire-Fighting Measures

FLASH POINT	n/a
AUTOIGNITION TEMP	n/a
FLAMMABILITY	not flammable
EXTINGUISHING MEDIA	
Suitable:	n/a
Not suitable:	n/a
FIREFIGHTING	n/a

## Section 6. Accidental Release Measures

METHODS FOR CLEANING UP: wipe with absorbent pad or wipe

## Section 7. Handling and Storage

HANDLING

User Exposure:

STORAGE

Suitable:

## Section 8. Exposure Controls/Personal Protection

Handle in accordance with Good Laboratory Practice. Wear appropriate protective clothing (safety goggles, chemical resistant gloves, laboratory coat).

## Section 9. Physical and Chemical Properties

Appearance Physical State: colored liquid

## Section 10. Stability and Reactivity

Reactivity n/a  
Chemical Stability stable

Other

## Section 11. Toxicological Information

### ROUTE OF EXPOSURE

Skin Contact: n/a  
Skin Absorption: n/a  
Eye Contact: n/a  
Inhalation: n/a  
Ingestion: n/a.

### SIGNS AND SYMPTOMS OF EXPOSURE

n/a

## Section 15. Regulatory information

CAS # 87-86-5 is listed on the TSCA inventory and is subject to SARA section 313 reporting requirements. It is also listed as a California Prop. 65 carcinogen.

## Section 16. Other information

Date of last revision: Sep 11, 2020

This information is supplied in good faith. 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. These products are intended for research use only, not for diagnostic, household or any other use.