

Document: D-54052  
Version: D-54052-006  
Release date: Feb 27, 2009  
Update date: Nov 1, 2021  
Printed on: Nov 1, 2021

# SAFETY DATA SHEET

Applies to part numbers: R-03023-C50 R-03023-D20

## Section 1 Product and company identification

Product name: **AdvanBlock™-PF protein-free blocking solution**  
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.

## Section 2 Hazards identification

### EMERGENCY OVERVIEW:

WARNING! CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

Irritating to eyes, respiratory system and skin. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Contains material that can cause target organ damage. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.

HMIS RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

NFPA RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

For additional information on toxicity, please refer to Section 11.

## Section 3 Composition/Information on Ingredients

Ingredient	CAS #	%
Sodium Chloride	7647-14-5	5-10
Sodium Phosphate di-basic	7558-79-4	1-3
Proprietary component	N/A	1-3
Water	7732-18-5	make up to 100%

Pentachlorophenol Sodium salt (CAS # 131-52-2) is added as a stabilizer at the concentration significantly below 0.1% and therefore does not require reporting CFR 1910.1200(g). There are no ingredients or additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

## 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 appropriate foam.
Not suitable:	Not known

**FIREFIGHTING**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

**Section 6 - Accidental Release Measures**

**METHODS FOR CLEANING UP:**

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

**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 2-8°C

**Section 8 - Exposure Controls / PPE**

**PERSONAL PROTECTIVE EQUIPMENT**

Respiratory:

Respiratory protection is not required. Where protection is desired.

Hand:

Protective gloves.

Eye:

Chemical safety goggles.

**GENERAL HYGIENE MEASURES:**

Wash thoroughly after handling.

**Section 9 - Physical and chemical properties**

Appearance Physical State:

Colorless Liquid, water-based, pH 6.8 to 7.8

Solvent Content:

N/A

**Section 10 - Stability and Reactivity**

**STABILITY:**

Stable

Materials to Avoid:

Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Hazardous Decomposition Products:

Nature of decomposition products not known.

**HAZARDOUS POLYMERIZATION**

Hazardous Polymerization:

Will not occur

**Section 11 - Toxicological Information**

**ROUTE OF EXPOSURE**

Skin Contact:

May cause skin irritation.

Skin Absorption:

May be harmful if absorbed through the skin.

Eye Contact:

May cause eye irritation.

Inhalation:

Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion:

May be 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 transport.

**Section 15 - Regulatory Information**

HCS Classification:

Irritating material  
Target organ effects

## Section 16    Other information

Date of last revision: May 9, 2014.

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.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.