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MATERIAL 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: 1505 Adams Dr., Ste. B1
Menlo Park, CA 94025
Phone: 650-325-1980

Section 2 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

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 in the MSDS per 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 3 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 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

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.