

CELL MARQUE Material Safety Datasheet For Reagents Containing Sodium Azide

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer: Cell Marque Corporation
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Applicable Products:

Antibodies Catalog No. Series: 101M-899M, 101A-899A, 101R-899R

Antibody Dispenser Catalog No. Series: 760-XXXX

Antibody Diluent Cat. No. Series: 936B

**Avidin/Biotin
Blocking Reagents** Cat. No. Series: 928B

Peroxide Block Cat. No. Series: 925B

Permanent Aqueous Mounting Medium Cat. No. Series: 931B

These products are for immunohistochemistry use.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Composition	Hazard Classification
Sodium Azide	26628-22-8	< 0.1%	(pure form) T; R28-32-50/53

Threshold limit value (pure form): 300ug/m³

NOTE: It has been determined that at product concentrations, the chemical listed above is NOT CLASSIFIED AS HAZARDOUS due to the physical and/or chemical nature and/or concentration in solution, in accordance with California and Federal OSHA regulations (Federal Register 29CFR 1910.1200), and The Chemicals (Hazard Information and Packaging for Supply) Regulations (European Community).

3. HAZARDS IDENTIFICATION

Despite the classification as non-hazardous at product concentrations, we strongly recommend using prudent laboratory practices: avoiding unnecessary contact, use of personal protective equipment, which may include latex gloves, eye protection, and lab coats, during the use of any laboratory reagent.

NFPA Ratings:

Health-1
Fire-0
Reactivity-0
Special-None

HMIS Ratings:

Health-1
Fire-0
Physical Hazard-B



HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	B

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with generous amounts of water. Assure adequate flushing by separating the eyelids with fingers. If exposure symptoms develop, seek medical attention.

Skin Contact: In case of contact, immediately wash skin with soap and generous amounts of water.

Ingestion: If swallowed, wash out mouth with water. Seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: No restrictions. Use extinguishing media appropriate to surrounding fire conditions.

Flash Point: N/A; Non-flammable

Flammability: Non-flammable

Protective Equipment: Wear latex gloves & protective eyewear.

Respirator: Use to protect against carbon monoxide & nitrous oxides.

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Exercise appropriate precautions to avoid direct contact with skin or eyes. At product concentrations, solutions containing sodium azide may be absorbed using a paper towel or absorbent pad. Solutions may also be rinsed into a general drainage system provided it is acceptable according to applicable regulations.

7. HANDLING AND STORAGE

Keep all containers tightly closed. Store and handle as described in the product's specification sheet.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection: Chemical safety glasses or goggles

Hand Protection: Latex gloves

Respiratory Protection: None required if used in a laboratory with an adequate air-exchange HVAC.

General Hygiene: Wash thoroughly after handling

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:..... colorless

Physical State:..... liquid

Odor:..... none

pH:..... N/A

Solubility:..... Water-soluble

Specific Gravity:..... N/A

Evaporation Rate:... N/A

Melting Point:..... N/A

Vapor Pressure:..... N/A

Boiling Point:..... N/A

Vapor Density:..... N/A

10. STABILITY AND REACTIVITY

Stability: Stable when used under normal conditions and within the scope of the intended application.

Conditions to Avoid: Do not allow solutions containing sodium azide to concentrate. Avoid acidic pH conditions.

Materials to Avoid: Avoid contact with metals.

Hazardous Decomposition Products: N/A

11. TOXICOLOGICAL INFORMATION

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

Skin Contact: May cause local discomfort.

Skin Absorption: May cause local discomfort.

Eye Contact: May cause irritation.

Inhalation: May cause irritation.

Ingestion: May be harmful if swallowed.

Target organs: Lungs, Gastrointestinal System, Skin

12. ECOLOGICAL INFORMATION:

Sodium Azide	Orl-rat LD ₅₀ :	27 mg/kg
(pure form):	Skn-rbt: LD ₅₀ :	20mg/kg
	Orl-hmn TDLo:	710 ug/kg
	Inv-mus LD ₅₀ :	19mg/kg

Mobility: This product is water-soluble and may spread in water systems. This product is not particularly volatile.

Degradability: Biodegradable

Accumulation: N/A

Ecotoxicity: N/A

Other Hazardous Effects: N/A

13. DISPOSAL CONSIDERATIONS

In accordance with US Federal OSHA regulations, at product concentrations, the disposal of solutions containing Sodium Azide is not restricted. Check with all applicable regulations to ensure that this disposal practice is allowable. If the disposal of these solutions is acceptable, flush with large volumes of water to prevent the build-up of azides in the plumbing.

14. TRANSPORT INFORMATION:

DOT: This substance is considered to be non-hazardous for transport.

Proper Shipping Name: N/A

IATA: At product concentrations, this material is not subject to a hazard classification in accordance with IATA Dangerous Goods Regulations

15. REGULATORY INFORMATION:

EU Additional Classification:

Safety Statements: Avoid Contact With Eyes and Skin.

U.S. Classification and Label text:

U.S. Statements: Caution: Avoid Contact

U.S. Regulatory Information:

SARA Listed: No

TSCA Inventory Item: This product complies with all TSCA inventory requirements.

OSHA Status: At product concentrations, the chemical components listed on this MSDS are NOT classified as hazardous.

California Proposition 65: The following statement is made in order to comply with the California State Drinking Water and Toxic Enforcement Act of 1986. Sodium Azide is NOT on California's listing of known or potential carcinogens.

Contents: <0.1% (15 mM) / Sodium Azide

Hazard Symbol: Not Required

16. OTHER INFORMATION

For laboratory use only. Not for drug, household or other uses. Interpretation of the test results is solely the responsibility of the user. There are no warranties, expressed or implied, which extend beyond this description. The information contained in this sheet is believed to be accurate but it is the responsibility of the user to determine the applicability of this data to the formulation of necessary safety precautions. Cell Marque Corporation shall not be held responsible for any damages resulting from the use of the above product or the information contained in this MSDS Sheet.