

Safety Data Sheet

Vision 2™ Antisera

June 2015



1. Product and Company Identification

Product(s) **Vision 2™ Antisera:**
E. coli (PLA. 521 - PLA. 548)
Salmonella (PLA. 003 - PLA. 284)
Shigella (PLA. 338 - PLA. 442)
Vibrio (PLA.491 - PLA. 495)

Intended Use & Restrictions Immunohistochemistry reagent intended for use by professional laboratory personnel that have been properly trained in its use.

Company Information Pro-Lab Diagnostics
21 Cypress Blvd, Suite 1070
Round Rock, TX 78665
United States
Tel: + 1 512 832 9145
Fax: + 1 800 332 0450
web: www.pro-lab-direct.com
email: ussupport@pro-lab.com

Emergency Contact: Poison Control - 1 (800) 222-1222

2. Hazards Identification

Histogram



GHS07

Signal Word Warning

Hazard-determining components of labeling Sodium azide

Hazard Statement H302 Harmful if swallowed

NFPA Warning



Health = 1
Flammability = 0
Reactivity = 0

Emergency Overview This product has been classified as non-hazardous based on the physical and/or chemical nature and/or concentration of ingredients.

Product has little to no hazards for Emergency Responders if spilled and has no unusual hazard if in a fire.

Sodium azide (0.1%) is included as a preservative. Although it is not considered hazardous at this level, please note that accumulated sodium azide may react with lead or copper plumbing to form highly explosive metal azides. Thorough flushing of plumbing is recommended.

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OSHA Hazards Not Hazardous

While the concentration of sodium azide is below the regulatory threshold limits according to OSHA standard 29CFR 1910.1200, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Potential Health Effects:

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- Skin Contact** May be harmful if exposed to skin. May cause skin irritation, itching, redness or inflammation.
- Eye Contact** May be harmful if exposed to eyes. May cause eye irritation, watering eyes, stinging or burning sensation.
- Inhalation** May be harmful if inhaled. May cause respiratory tract irritation, headache, dizziness, nausea or coughing.
- Ingestion** May be harmful if swallowed. May cause irritation of gastrointestinal tract, nausea, or vomiting.

Environmental Effects None identified.
See Section 12: Ecological Information for additional information.

3. Composition/Information on Ingredients

Chemical Name	Synonyms	% Composition	CAS Number	Toxicity Data
Sodium azide (NaN ₃)	N/A	0.1%	26628-22-8	LD50 =27 mg/kg (oral-rat)

Note: It has been determined that the remaining ingredients of this product are not classified as hazardous according to the Federal OSHA Hazardous Communication Standard (29 CFR 1910.1200) or the Globally Harmonized System of Classification and Labeling of Chemicals.

4. First Aid Measures

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- General Advice** Avoid further exposure to product. Consult a physician.
- In case of skin contact** Wash exposed area with soap and plenty of water. Remove any contaminated clothing. Seek medical attention.
- In case of eye contact** Flush eyes with plenty of water for at least 15 minutes. Have victim remove contact lenses. Be sure to wash under eyelids. Seek medical attention.
- If inhaled** Remove victim to well-ventilated area. If victim is not breathing, give artificial respiration. Seek medical attention.
- If swallowed** If victim is conscious, rinse mouth with water. Do not give anything to an unconscious victim. Seek medical attention.

5. Fire Fighting Measures

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- Suitable Extinguishing Media** Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Use extinguisher media appropriate for surrounding fire.
- Special Protective Equipment for** Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

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Firefighters

Special Exposure Hazards None identified.

6. Accidental Release Measures

Personal Precautions Use of personal protective equipment is recommended as described in Section 8. Isolate hazard area and deny entry to unprotected personnel.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.

Methods for containment and clean up Small spills may be contained and cleaned-up with paper towels or absorbent pads. Absorb large spills with sand or vermiculite and place in a closed container for waste disposal. Avoid physical contact during removal.

7. Handling and Storage

Precautions for Safe Handling Avoid contact with eyes, skin and clothing. Do not ingest. Wash hands thoroughly after use.

Conditions for Safe Storage Store at 2-8°C in well-sealed container. Store as recommended on antibody vial.

8. Exposure Controls / Personal Protection

Permissible Exposure Limits

Component	Permissible Exposure Limits(s)
Sodium Azide	ACGIH, TLV: 0.29 mg/m ³ , ceiling NIOSH, REL-C: 0.3 mg/m ³ , skin

Engineering Controls Engineering Controls

Personal Protective Equipment:

Eye Protection Wear chemical splash goggles and/or face shield when eye and face contact is possible due to splashing or spraying of material.

Skin Protection Use chemically resistant gloves and a lab coat with sleeves.

Respiratory Protection Exceeding exposure limits is unlikely during normal usage. However, if irritating vapors are produced, respiratory protection is recommended. Attempt to reduce exposure levels to an acceptable range.

General Hygiene Measures Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling and before eating or drinking.

9. Physical and Chemical Properties

Appearance Odorless, light gold color, clear liquid

Odor None

pH (as supplied) Various

Melting point No data available

Boiling point No data available

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Flash point	No data available
Flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific gravity	No data available
Solubility (in water)	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature	No data available
Decomposition Temperature	No data available

10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions (see Section 7)
Conditions to avoid	Avoid buildup of sodium azide in copper or lead plumbing. Thorough flushing of plumbing with water is recommended.
Materials to avoid	Contact of sodium azide with heavy metals may form explosive azides. Contact of sodium azide with acids may liberate toxic gas. Avoid strong oxidizers.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions: carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas.
Possibility of hazardous reactions	Contact of sodium azide with heavy metals may form explosive azides. Contact of sodium azide with acids may liberate toxic gas.

11. Toxicological Information

Acute dose effects	No data available
Repeat dose effects	No data available
Skin irritation	No data available
Skin and respiratory sensitization	No data available
Eye irritation	No data available
Carcinogenicity	No component of this product present at levels greater than or equal to

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0.1% is identified as a probable, possible, potential, known, anticipated, or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

Mutagenicity	No data available
Reproductive effects	No data available
Developmental effects	No data available
Target organ effects	No data available

12. Ecological Information

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulation/accumulation	No data available
Mobility in environmental media	No data available
Other hazardous effects	May be harmful to the environment, particularly aquatic organisms.

13. Disposal Considerations

Product	Disposal should be in accordance with applicable national, state, and local laws and regulations. Local regulations may be more stringent than national or state requirements. Verify local and state regulations before discharging into public sewers or landfills. Do not dump into any body of water. Contact a licensed professional waste disposal service for appropriate methods of disposal.
Contaminated packaging	Dispose of as unused product.

14. Transportation Information

Proper shipping name	Not applicable
Technical name	Not applicable
Hazard class	Not applicable
Identification number	Not applicable
Packing group	Not applicable
DOT (US)	Not regulated
IMDG	Not regulated
IATA	Not regulated
TDG	Not regulated

15. Regulatory Information

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United States (TSCA)	All ingredients are on the inventory or exempt from listing.
Canada (DSL / NDSL)	All ingredients are on the inventory or exempt from listing.
SARA 302 Components	Sodium azide: CAS 26628-22-8
SARA 313 Components	Sodium azide: CAS 26628-22-8, Concentration 0.1%
SARA 311/312 Hazards	Sodium azide: Acute health hazard
California Prop. 65 components	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Sources and Suitability The above information was obtained from sources available at the time of revision and believed to be accurate and reliable. The information included is not intended to be all inclusive and should only be used as a guide. Pro-Lab Diagnostics shall not be held liable for any damage resulting from use, handling, or contact with the above product.

Revision Date June 25 2015 (All SDS's before this date should be discarded.)

Replaces Revision February 2015. This SDS has been updated to reflect current hazard information and product formulations. Note: Before using this product, please visit the www.Pro-Lab-Direct.com for the current SDS.