

VisionBeads

rev. 4/25

Cat# TCB-VB001-1, TCB-VB001-2

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: VisionBeads
PRODUCT CODE: TCB-VB001-1
MANUFACTURER: ThinkCyte Inc.
ADDRESS: 1100 Island Drive, STE 203, Redwood City, CA 94065
WEBSITE: <https://thinkcyte.com/>

SECTION 2: HAZARD IDENTIFICATION

Classification of substance or mixture: Not Classified as hazardous according to U.S. OSHA regulations (29 CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Caution: This substance has not been fully tested (EC).

Inhalation (power/mists): May cause upper respiratory tract & mucous membrane irritation.

Skin and Eyes: May cause skin, eye irritation.

Ingestion: May be harmful if swallowed.

Environmental: May be harmful to the environment.

Label Elements: None required according to U.S. OSHA (Hazcom 2012) and Canadian (WHMIS 2015) regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

The product contains Sodium Azide at a concentration of less than 0.05% which is fatal if swallowed(T+; R28 R32 N)

SECTION 4: FIRST AID MEASURES

Inhalation: Immediate move to fresh air & rest. Keep under observation and if breathing becomes difficult seek immediate medical attention. Resuscitate if breathing stops.

Skin Contact: Remove contaminated clothes. Rinse skin with plenty of water or shower. Seek medical attention.

Eye Contact: First rinse with plenty of water for at least 10 minutes (remove contact lenses if easily possible), ensure lids remain open during flushing, and then seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Emits corrosive & toxic fumes, including oxides of carbon, nitrogen, sodium and potassium during combustion.

Extinguishing Method: Use foam extinguishers, water spray, carbon dioxide and dry chemicals.

Special Firefighting Procedure: Wear self contained breathing apparatus with full face shield operated in positive pressure mode, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire Hazards and Explosion Hazards: May produce black acrid smoke and irritating fumes if burned.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use protective equipment.

Spill/Leaks: Clean up spills using an absorbent, non-combustible material and gather up placing in a clean closed container for disposal. Do not dispose into drains that are connected to sewer systems.

If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States (phone: 1-800-424-8802).

SECTION 7: HANDLING AND STORAGE

Store packages tightly closed away from light, incompatible materials (Strong oxidizing agents, Strong acids, Strong bases, Nitrogen compounds) protected in a well ventilated place away from heat.

Store at 2-8°C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters - Local mechanical ventilation is not required as supplied, but this is also dependent on other mobile phases and analytes used. Always use a fume cupboard if handling as the liquid component may become airborne.

Personal Protective Equipment:

Respiratory protection: If required to control exposure, use only suitable respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection: Suitable impervious gloves (e.g. Nitrile or Neoprene rubber). The selected protective gloves have to conform to EN 374.

Eye Protection: Safety glasses with side-shields conforming to EN 166.

Hygiene measures: Avoid contact of contents with skin, eyes, and clothing. Avoid breathing dust, fumes or vapors. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: No information available.
Boiling Point: No information available.
Melting Point: No information available.
Solubility: No information available.

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.
Conditions to avoid: Extreme heat.
Materials to avoid: Strong oxidizing agents.
Hazardous Decomposition: May release smoke and toxic fumes including oxides of carbon, nitrogen, sodium and potassium.
Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure:
Eye contact: May cause eye irritation and slight redness.
Inhalation: May be harmful if inhaled.
Skin contact: May cause skin irritation and temporary redness.
Skin Absorption: Not applicable.
Ingestion: May be harmful if swallowed and may cause nausea, vomiting, gastrointestinal irritation and diarrhea.

SECTION 12: ECOLOGICAL INFORMATION.

Toxicity:
 Not expected to be harmful to aquatic organisms. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Product name	Species	Exposure limit and time	Result
Sodium Azide	Fish	2.75mg/l for 96 hrs	Acute LC50
	Algae	0.35 mg/l for 96 hrs	Acute ErC50

Mobility in soil: No information available.
Persistence and degradability: No information available.
Bioaccumulative potential: No information available.
Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other adverse effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Methods of disposal must meet all local, federal, and state laws.
IATA, IMO/IMDG, ADR/RID, US-DOT: Not classified as hazardous for any mode of transport.

SECTION 14: REGULATORY INFORMATION

Regulatory Information: Manufactured for Research use only.

US Federal Regulations:

Chemical	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
Sodium Azide	26628-22-8	Yes	1000 lb/ 454 kg	Toxic Chemical: Yes	Minimum concentration: 1%

US State Regulations:

New Jersey

Sodium Azide 26628-22-8

Sodium Phosphate 7558-79-4

New York

Sodium Azide 26628-22-8

Sodium Phosphate 7558-79-4

Massachusetts

Sodium Azide 26628-22-8

Sodium Phosphate 7558-79-4

Pennsylvania

Sodium Azide 26628-22-8

Sodium Phosphate 7558-79-4

California

Sodium Azide 26628-22-8

Sodium Phosphate 7558-79-4

Louisiana

Sodium Azide 26628-22-8

Minnesota

Sodium Azide 26628-22-8

Rhode Island

Sodium Azide 26628-22-8

SECTION 15: OTHER INFORMATION:

Not Applicable.

DISCLAIMER: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. ThinkCyte, shall not be held liable for any damage resulting from handling or from contact with the above product.