Safety Data Sheet

Date Updated: 01/15
Version: 6
MSDS # 1

Section 1- Identification

Product Name	Glycerol Reagent A; also sold as component of Lipolysis Assay Kits, Cellulite Treatment Screening Kits, Triglyceride Assay Kit, Serum Triglyceride Kit, Serum/Plasma Glycerol Kit, 3T3-L1 Dual glycerol/free fatty acid detection kit (reagents + cells), 3T3-L1 Dual glycerol/free fatty acid detection kit (reagents only)
Product Number	RGTA-40, RGTA-10, LIP-1, LIP-1-NC, LIP-1NCL1, LIP-3, LIP-3-NC, LIP-10, LIP-12, LIP-5RB, TG-1-NC, TG-5RB, STG-1NC, SGA-1, LIP-3-L1, LIP-3-NCL1
Company	ZenBio, Inc
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City, State, Zip, Country	Research Triangle Park, NC 27709 US
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Emergency Phone	Toll free (866) 234-7673 or (919) 547-0692
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Section 2 Hazards Identification

GHS Classification:
Health hazard – category 2

GHS LABEL ELEMENTS
Symbol(s)

Signal Word

	Health	Flammability	Reactivity
HMIS Rating	2	0	2
NFPA Rating	2	0	2

For additional information on toxicity, please refer to Section 11. Irritating to eyes, respiratory system and skin. Possible sensitizer. Harmful in contact with skin or if swallowed.
Target Organs: Nerves, heart.

Section 3- Composition/Information on Ingredients

Chemical Name	CAS#	RTECS
PIPES DISODIUM SALT	76836-02-7	N/A
GLYCEROL KINASE	9030-66-4	N/A
PEROXIDASE	9003-99-0	N/A
N-ETHYL-N- (3-SULFOPROPYL)-3-METHOXYANILINE, SODIUM SALT MONOHYDRATE	82611-88-9	N/A
TRITON-X-100	9002-93-1	MD0907700
SODIUM AZIDE	26628-22-8	WA1900000

Section 4 First Aid Measures

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Section 5 Fire Fighting Measures

Azide reacts with many heavy metals such as copper, lead, mercury, gold and silver to form explosive compounds. Copper and lead azides are more sensitive than nitroglycerine. Incompatible with chromyl chloride, hydrazine, bromine, carbon disulfide, dimethyl sulfate , metal halides and dibromomalonitrile.
Extinguishing media: water spray, carbon dioxide, dry chemical powder and appropriate foam.
Firefighting:
Wear self-contained breathing apparatus and protective clothing. Emits toxic fumes under fire conditions.

Section 6 Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Any spilled material should be wiped up or moistened with water and removed. Ventilate area and wash spill site with water.

Section 7 Handling and Storage

Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Store in a cool dry place. Keep tightly closed. Store at 2-8°C.

Section 8 Exposure Controls/Personal Protective Equipment

Safety shower and eye bath. Mechanical exhaust required.
Government approved respirator. Compatible chemical resistant gloves. Chemical safety goggles. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 Physical and Chemical Properties

Physical state is white powder.

Section 10 Stability and Reactivity

Stable. Incompatible with strong oxidizing agents. Avoid contact with metals and acid. Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur oxides.

Section 11 Toxicological Information

May cause skin irritation. May cause eye irritation. May be harmful by inhalation, ingestion or skin absorption. Many azides cause a fall in blood pressure and some inhibit enzyme action. In vivo experiments in animals have demonstrated sodium azide to produce a hypotensive effect, demyelination of nerve fibers in the CNS, testicular damage, blindness, attacks of rigidity and hepatic and cerebral effects.

Section 12 Ecological Information

Data not yet available.

Section 13 Disposal Considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

Section 14 Transport Information

This substance is considered to be non-hazardous for ground or air transport.

Section 15 Regulatory Information

European Classification:
Symbol of danger Xn. Indication of danger: HARMFUL
Risk Statements: Harmful in contact with skin and if swallowed. Contact with acids liberates very toxic gas. Irritating to eyes. **R:** 21/22 32 36
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep container tightly closed. Wear suitable protective clothing and gloves. **S:** 26 7 36/37

US Classification:
Indication of danger: HARMFUL
Risk Statements: Harmful in contact with skin and if swallowed. Contact with acids liberates very toxic gas. Irritating to eyes.
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep container tightly closed. Wear suitable protective clothing and gloves. This substance is not SARA listed. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

Canada Regulatory Information:
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: No
NDLS: No

Section 16 Other Information

Disclaimer:

For research use only. Not for clinical, drug, household or other uses.

Warranty:

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Zen-Bio shall have no liability for any direct, indirect, consequential or incidental damages arising out of the use, the results of use, the inability to use, the handling or contact with this product.