

Material Safety Data Sheet



1. Product and Company Identification

Product Name SembaSonic™ 10X Protein Extraction Reagent
Catalog Number R1011E, R1012E
Supplier Semba Biosciences, Inc.
505 South Rosa Road, Suite 106A
Madison, Wisconsin 53719
866-634-1114 or 608-441-8009
Fax: 608-441-8329
Emergency Contact Information 866-634-1114 or 608-441-8009

2. Composition/Information on Ingredients

Ingredient	CAS No.	%
SembaSonic™ 10X Protein Extraction Reagent	-	-

3. Hazards Identification

Emergency Overview Caution. The toxicological properties of this product have not been thoroughly investigated. It may be harmful if swallowed, inhaled or absorbed through the skin.

Potential Acute Health Effects

- Inhalation** May cause respiratory tract irritation.
- Ingestion** May cause gastrointestinal irritation.
- Skin** May cause skin irritation.
- Eyes** May cause eye irritation.

Potential Chronic Health Effects Information not available.

4. First Aid Measures

Eye Contact In case of contact, remove contact lenses if wearing. Flush eyes with copious amounts of water for at least 15 minutes. Call a physician.

Skin Contact In case of contact, wash skin thoroughly with soap and water. Rinse with copious amounts of water. Remove contaminated clothing and shoes.

Inhalation If inhaled, move person to fresh air. If individual is not breathing, trained personnel should provide artificial respiration. If breathing is difficult, trained personnel should give oxygen. Call a physician.

Ingestion If swallowed and victim is conscious, allow victim to wash out his mouth with water and to drink 2-4 cupfuls of water. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

5. Fire-fighting Measures

Flammability of the Product May be combustible at high temperature.

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Suitable Extinguishing Media
Special Protective Equipment for Fire-fighters

CO₂, dry chemical, water spray (fog), appropriate foam
Wear appropriate protective equipment and self-contained breathing apparatus.

6. Accidental Release Measures

Personal Precautions
Methods for Cleaning Up

Use appropriate personal protective equipment as described in section 8.
Contain and collect spill with non-combustible, absorbent material (sand, diatomaceous earth, vermiculite) and dispose of according to federal, state and local regulations.

7. Handling and Storage

Handling

Avoid inhalation and ingestion. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Storage

Keep container tightly closed.

8. Exposure Controls/Personal Protection

Engineering Controls

Use only with adequate ventilation. If vapors or mists are generated provide local exhaust ventilation or other engineering controls to keep exposure to airborne contaminants below any recommended or statutory limits.

Hygiene Measures

Thoroughly wash hands, forearms and face after handling chemical products and before eating, smoking or using the lavatory and at the end of the working period. Appropriate techniques should be used to remove contaminated or potentially contaminated clothing. Wash contaminated clothing before reusing. Check that safety showers and eyewash stations are located near work areas.

Personal Protective Equipment
Respiratory

If risk assessment indicates it is necessary, use a NIOSH (US) approved respiratory protective equipment. The selection of respiratory equipment must be based on anticipated exposure levels, product hazards and the safe working limits of the respirator.

Hands
Eyes
Skin

Compatible chemical-resistant gloves.
Safety glasses, chemical safety goggles
Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Environmental Exposure Controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

Physical State
Color

Liquid
Clear

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10. Stability and Reactivity

Storage Stability	Stable
Materials to Avoid	Strong oxidizing agents.

11. Toxicological Information

To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

12. Ecological Information

Environmental Effects	Information not available.
Further information	-

13. Disposal Considerations

Product	Mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.
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14. Transport Information

DOT: Road Transport	Not controlled.
ADR/RID: Land Transport (cross border)	Not controlled.
IATA: Air Transport	Not controlled.
IMDG: Maritime Transport	Not controlled.

15. Regulatory Information

SARA 302 Components	No products were found.
SARA 313 Components	No products were found.
SARA 311/312 Hazards	No products were found.

16. Other Information

The information given herein is offered in good faith as accurate, but does not claim to be all inclusive and shall be used only as a guide. All materials may pose unknown hazards and should be used with caution. Users should consider this information supplemental to other information gathered by them and must determine independently the completeness and suitability of information from all sources with regard to the correct use, storage and disposal of these materials and the safety of employees, customers and the environment. Semba Biosciences, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for research use only.

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