



OneStep Blocker - Western Blocking Solution and Signal Enhancer

Document Type: Global Master SDS (International Use)

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1. Identification

Prepared in accordance with:

United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Intended use:

This Global Master SDS is intended for international hazard communication and may be supplemented by country- or region-specific addenda to meet local regulatory requirements.

Product Name: OneStep Blocker - Western Blocking Solution and Signal Enhancer

Catalog Number: BS001-B020ML(N) ~ BS001-B500ML(N)

Recommended Use: Laboratory research use only

Supplier: BIO-HELIX Co., Ltd.

Address: 5F., No. 145, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City, Taiwan

Telephone: +886-2-2462-4956

Email: info@bio-helix.com

2. Hazard(s) Identification

Classification according to GHS: Not classified as hazardous

Signal word: None

Hazard pictogram: None

Hazard statements: Not classified as hazardous

Precautionary statements:

- Follow good laboratory practices
- Wash hands thoroughly after handling
- Use with adequate ventilation





3. Composition / Information on Ingredients

Ingredients:

Substance	CAS No.	Concentration
Water	-	>50%
Anionic Surfactant	-	0.15-5% (v/v)
Mineral Acid	-	0.1-5% (v/v)

Note: Components not listed here are not hazardous or their concentrations do not exceed the limits specified in the OSHA Hazard Communication Standard 29 CFR 1910.1200.

4. First-Aid Measures

Inhalation: Move person to fresh air. If symptoms persist, seek medical advice.

Skin contact: Wash off immediately with plenty of water. If symptoms persist, seek medical attention.

Eye contact: Rinse cautiously with water for at least 15 minutes, also under the eyelids. If eye irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

Notes to physician: Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media: Dry chemical, foam, carbon dioxide (CO₂), water spray.

Unsuitable extinguishing media: None known.

Specific hazards: No specific hazards under normal conditions of use.

Protective equipment: Firefighters should wear self-contained breathing apparatus and protective suit.

6. Accidental Release Measures

Personal precautions: Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions: Prevent product from entering drains or water systems.

Cleanup methods: Soak up with inert absorbent material (e.g., sand, silica gel). Dispose of contaminated material in accordance with local regulations.

Additional information: No dangerous substances are released under normal conditions.

7. Handling and Storage

Handling:

- Wash thoroughly after handling
- Wash hands before eating
- Keep container tightly closed
- Use with adequate ventilation
- Handle in accordance with good industrial hygiene and safety practice





Storage:

- Keep container closed when not in use
- Store at room temperature (15-25°C)
- Keep away from incompatible materials

8. Exposure Controls / Personal Protection

Engineering controls: Ensure adequate ventilation, especially in confined areas. None required under normal laboratory use.

Personal protective equipment:

- Eye protection: Safety glasses with side-shields
- Hand protection: Protective gloves
- Skin protection: Laboratory coat, lightweight protective clothing
- Respiratory protection: Not required under normal conditions. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental Exposure Controls: Prevent product from entering drains.

9. Physical and Chemical Properties

Property	Value
Appearance	Liquid
Color	Colorless
Odor	Odorless
pH	13.2 at 20°C (68°F)
Boiling point	~100°C (212°F)
Melting point	Not applicable
Flash Point	Not applicable
Autoignition temperature	Does not auto ignite
Flammability	Non-flammable
Solubility in water	Miscible (moderate)
Oxidizing properties	Non-oxidizing



10. Stability and Reactivity

Stability: Stable under normal conditions and recommended storage conditions.

Conditions to avoid: None known under normal use.

Incompatible materials: Metals (may cause corrosion).

Hazardous decomposition products: No hazardous decomposition products known under normal conditions.

Hazardous polymerization: Hazardous polymerization does not occur.

11. Toxicological Information

Acute toxicity: No irritant effect expected under normal laboratory use.

Primary irritant effect:

- On the skin: No irritant effect
- On the eye: May cause eye irritation with susceptible persons

Sensitization: No sensitizing effects known.

Carcinogenic effects: No information available.

Mutagenic effects: No information available.

Reproductive toxicity: No information available.

Target Organ Effects: No information available.

HMIS Ratings:

- Health: 0
- Flammability: 0
- Reactivity: 0.

12. Ecological Information

Ecotoxicity: No information available. The product is not expected to be acutely toxic to aquatic organisms.

Mobility: No information available.

Biodegradation: No information available.

Bioaccumulation: No information available.

13. Disposal Considerations

Dispose of contents and container in accordance with local, regional and national regulations for laboratory chemicals.

14. Transport Information

Proper shipping name: Not classified as dangerous in the meaning of transport regulations

UN number: Not restricted

Transport hazard class: Not restricted

Packing group: Not applicable

Road/Railway Haulage (ADR/RID): Not restricted

Sea Freight (IMO/IMDG): Not restricted

Air Freight (IATA/ICAO): Not restricted





15. Regulatory Information

This product is classified and labeled in accordance with the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Regulatory status:

- None of the chemicals in this product are listed as Toxic Pollutants under the CWA
- None of the chemicals in this product are considered highly hazardous by OSHA

This Safety Data Sheet is intended to serve as a Global Master SDS. Compliance with specific regional or national regulations may require additional information or adaptations.

16. Other Information

Revision history:

Version 1.0 – Reformatted as Global Master SDS.

Intended Use:

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use.

Supervision:

An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

Disclaimer:

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