

Safety Data Sheet

Revision Date: 25-January-2017

24 Hour Emergency #: 1-800-255-3924

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Blocking Solution Molecular
CATALOG NUMBER: 351-080-101
CHEMICAL NAME: An aqueous solution of non-fat dried milk and antifoam A in PBS containing Sodium azide.
non-fat dried milk 5%(w/v), 50.0 g/L; antifoam A 0.01%(v/v) 0.1 ml/L in PBS containing
sodium azide 0.02% (w/v), 0.20 g/L.

Company/Undertaking Identification

Quality Biological Inc.
7581 Lindbergh Drive
Gaithersburg, MD 20879
301-840-9331

2. HAZARDS IDENTIFICATION**GHS – Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Signal Word

Danger

Health Hazard

H300 – Fatal if swallowed

**Physical Hazards**

not hazardous

Principle Routes of Exposure/ Potential Health effects

Eyes

May cause eye irritation with susceptible persons.

Skin

May cause skin irritation in susceptible persons.

Inhalation

May be harmful by inhalation.

7581 Lindbergh Drive • Gaithersburg, MD 20879

(301) 840-9331 • Toll Free (800) 443-9331 • Fax (301) 840-0743

Email: customerservice@qualitybiological.com • Web Site: www.qualitybiological.com



Ingestion May be harmful if swallowed.

Specific effects

Carcinogenic effects none

Mutagenic effects none

Reproductive toxicity none

Sensitization none

Target Organ Effects No known effects under normal use conditions.

HMIS

Health	0
Flammability	0
Reactivity	0

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. FIRST AID MEASURES

Skin contact Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.

Eye contact Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

Ingestion Never give anything by mouth to an unconscious person.

Inhalation If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

General: Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

Extinguishing Media: Water Spray, Carbon Dioxide, dry chemical powder or appropriate foam.

6. ACCIDENTAL RELEASE MEASURES

Use Personal Protective Equipment: Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Spills and Leaks: Absorb spill with inert material (e.g. Vermiculite, sand, earth) then place in a suitable container. Clean up spills immediately, observing precautions in the Sections 6 and 8. Provide ventilation.

7. HANDLING AND STORAGE

Handling

Always wear recommended Personal Protective Equipment. No special handling advice required

Storage

Store in a tightly closed container at -20°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

We are not aware of any national exposure limit.

Engineering measures

Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment

Hand protection

Protective gloves

Eye protection

Safety glasses with side-shields

Skin and body protection

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice

Environmental exposure

Controls

Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form

Liquid

Appearance

Clear, colorless

Odor

Odorless

Important Health Safety and Environmental Information

Boiling point/range

°C No data available

°F No data available

Melting point/range

°C No data available

°F No data available

Flash point

°C No data available

°F No data available

Autoignition temperature

°C No data available

°F No data available

Oxidizing properties

No information available

Water solubility

soluble

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Materials to avoid
Incompatible Materials
Hazardous decomposition products
Polymerization

No dangerous reaction known under conditions of normal use.
Oxidizing and reducing agents
None under normal use
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

not hazardous

Principle Routes of Exposure/ Potential Health effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.

Specific effects

Carcinogenic effects	none
Mutagenic effects	none
Reproductive toxicity	none
Sensitization	none

Target Organ Effects

No known effects under normal use conditions.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	Inherently biodegradable
Bioaccumulation	Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	none
Subsidiary Class	none
Packing group	none
UN-No	none

15. REGULATORY INFORMATION**International Inventories****U.S. Federal Regulations****SARA 313**

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations**California Proposition 65**

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

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

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, IT MAY NOT BE ALL INCLUSIVE. THIS INFORMATION SHOULD BE USED ONLY AS A GUIDE. QUALITY BIOLOGICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE ABOVE PRODUCT.

End of Safety Data Sheet