

## Agarose-Molecular Biology Grade

### 1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name: MB755-0500 Agarose

Use of the preparation: For laboratory use.

Suitable for use as molecular weight standards for DNA electrophoresis.

Company identification: BIO-HELIX Co.,LTD.

Site: <http://www.bio-helix.com>

E-mail: [info@bio-helix.com](mailto:info@bio-helix.com)

### 2. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Characterisation:

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous Components: None

### 3. HAZARDS IDENTIFICATION

Precautionary Statements:

R 36/37/38: Irritating to eyes, respiratory system and skin. Classified as not hazardous according to directive 67/548/EC.

### 4. First Aid Measures

Inhalation:

Remove to fresh air. If irritation persists consult a doctor immediately.

Swallowing:

Wash mouth out with water provided the person is conscious. Consult a doctor immediately.

Eye Contact:

Immediately flush eyes with copious amounts of water for several minutes. Consult a doctor immediately.

Skin Contact:

Immediately wash with soap and copious amounts of water.

### 5. Fire Fighting Measures

Suitable Extinguishing Media:

Water spray, CO<sub>2</sub> or dry chemical powder. Large fires should be confronted with water spray or alcohol resistant foam.

Unusual Fire Hazard: Emits toxic fumes when on fire.

Fire Fighting Protective Measures:

Wear protective clothing to prevent contact with the skin and eyes.

Wear self-contained breathing equipment to prevent inhalation of explosive or combustion gasses.

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## 6. Accidental Release Measures

Personal Precautions:

Ensure ventilation is adequate. Wear rubber gloves. Wear dust mask to avoid inhalation of dust.

Environmental Precautions:

Do not allow to enter the surface or ground water. Do not allow to enter sewers.

Clean-up Measures:

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after cleanup is complete.

## 7. Handling and Storage

Handling: No special measures are required for safe handling of this product.

Storage: Store at room temperature. Keep tightly closed.

## 8. Exposure Controls/ Personal Protection

Engineering Measures: None required, see section 7.

Ingredients with Limit Values: None

Personal Protection:

Respiratory Protection: None required.

Hand Protection: Gloves should be worn, either rubber or chemical resistant.

Eye Protection: Wearing safety goggles is advised, as is the availability of eye-wash stations.

Skin Protection: Lab coats should be worn during handling. Safety deluge showers should be available.

Hygiene Practices: Avoid contact with skin or eyes. Do not place in mouth.

Do not eat, drink or smoke when handling this product. Upon completion of the use of this product, dispose of protective gloves safely and wash hands thoroughly with soap and water.

## 9. Physical and Chemical Properties

Physical Properties

Appearance: Solid, near-white color.

Chemical Properties

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash Point: Not Applicable.

Auto-flammability: Product is not self-igniting.

Ignition Temperature: Undetermined.

Explosive Properties: None.

Relative Density: Undetermined.

Solubility in Water: 10mg/ml H<sub>2</sub>O, hot, clear colorless.

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## 10. Stability and Reactivity

### Stability

Product is stable under normal handling and storage conditions. Avoid excess heat, flame and pressure.

Thermal decomposition: None if used under ordinary conditions.

### Reactivity

Dangerous Reactions: Avoid contact with strong oxidising agents, acids and alkali.

Hazardous Decomposition Products: None that are known.

## 11. Toxicological Information

### Primary Irritant Effect:

R36/37/38: Irritating to eyes, respiratory system and skin.

### Sensitisation Effects:

Via prolonged exposure, a sensitising effect through inhalation is possible. Via prolonged exposure, a sensitising effect on the skin is possible.

### Further Toxicological Information:

This product has no known carcinogenic properties.

This product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations, as issued in the latest version.

## 12. Ecological Information

Environmental Effects Environmental Fate/Stability: Unknown.

Effects on Plants or Animals: Unknown.

Water Hazard: This product is slightly hazardous for water.

Do not allow product to come into contact with surface or ground water, and do not allow it to reach the sewage system.

## 13. Disposal Considerations

### Product Disposal:

This product must not be disposed of with household waste or in any other manner that may lead to it entering the sewage system.

### Packaging Disposal:

Unclean packaging should be disposed of according to official regulations.

## 14. Transport Information

### Land Transport:

Product does not belong to a hazard class of any international agreements on the transport and packaging of dangerous goods.

### Maritime Transport:

This product is not a marine pollutant.

### Air Transport:

Product does not belong to any hazard classification.

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ICAO/ IATA–DGR: Not regulated as a dangerous good.

## 15. 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 was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution.

Since GeneDireX Corporation cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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