

1 Identification

Product Name: Micropropagation Agar-Type I

Catalog Number: A038

Company: Caisson Laboratories

Address: 836 South 100 East, Smithfield, UT 84335

Telephone: 435.755.7615

Fax: 435.755.7617

Emergency Contact: CHEMTREC 800.424.9300 (703.527.3887)

Recommended Use: For Laboratory Use Only

Restrictions On Use: This product is intended for research and laboratory use only. This product is not to be used as human or animal therapeutics, cosmetics, agricultural or pesticidal products, food additives, or as household chemicals

2 Hazard(s) Identification

Classification of the Substance or Mixture

GHS Classification: Not a hazardous substance or Mixture.

GHS Label elements, including precautionary statements

Signal Word: Not hazardous

Hazard Statements

Not a hazardous substance or Mixture.

Precautionary Statements

Not a hazardous substance or mixture.

Pictograms:

3 Composition / Information on Ingredients

Synonyms: Agar

Formula: N/A

Molecular Weight (g/mol): N/A

CAS Number: 9002-18-0

EC Number: 232-658-1

4 First-Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Route of Exposure

If swallowed: If swallowed, wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician if irritation persists.

In case of eye contact: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician if irritation persists.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Recommendation for immediate medical care and special treatment needed: No data available.

5 Fire-Fighting Measures

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam. Use extinguishing media suitable for surrounding fire.

Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus and protective clothing.

Special hazards arising from the substance or mixture: No data available.

Additional Information: No data available.

6 Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Avoid dust formation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

Methods and material for containment and cleanup: Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 Handling and Storage

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Conditions for safe storage: Room temperature

Recommended storage temperature:

Incompatibilities: No data available.

8 Exposure Controls / Personal Protection

OSHA Permissible Exposure Limits (PELs): No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

ACGIH Threshold Limit Values (TLVs): No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Engineering controls: Practice general industrial hygiene practice. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment (PPE)

Eye/face protection: Wear chemical safety glasses or goggles. Have eye-washing facilities readily available where eye contact can occur.

Skin protection: Wear protective gloves.

Respiratory protection: Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Body protection: Wear lab coat, gown, or coveralls to protect from exposure.

9 Physical and Chemical Properties

Appearance: Off-white to tan powder

pH: No data available.

Solubility: Soluble in hot water.

Specific Gravity: No data available.

Melting Range: No data available.

Odor: No data available.

Odor Threshold: No data available.

Viscosity: No data available.

Relative Density: No data available.

Evaporation Rate: No data available.

Initial Boiling Point and Boiling Range: No data available.

Flash Point: No data available.

Flammability (Solid, gas): No data available.

Flammability Upper/Lower Limits: No data available.

Partition Coefficient: n-octanol/water: No data available.

Vapor Density: No data available.

Vapor Pressure: No data available.

Auto-ignition Temperature: No data available.

Decomposition Temperature: No data available.

10 Stability and Reactivity

Reactivity: No data available.

Chemical stability: No data available.

Possibilities of hazardous reactions: No data available.

Conditions to avoid: Extreme heat, incompatibles.

Incompatible materials: Strong oxidizing agents, strong acids.

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

11 Toxicological Information

Toxicity: LD50 Oral - rat - 5,000 mg/kg

LC50 Inhalation - rat - 4 h - 6 mg/l

Dermal: no data available

Carcinogenicity

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Symptoms associated with overexposure: No data available.

Specific target organ toxicity - single exposure: No data available.

Specific target organ toxicity - repeated exposure: No data available.

Target Organs: No data available.

Medical conditions aggravated by exposure: No data available.

Routes of entry: Ingestion, Inhalation

NIOSH/RTECS:

12 Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB: No data available.

Other adverse effects: No data available.

13 Disposal Considerations

Disposal of Product: Dispose of in accordance with local regulations.

Disposal of Packaging: Dispose of as unused product

14 Transport Information

DOT (US)

Proper Shipping Name: CHEMICALS, N.O.S (NON-REGULATED)

UN/NA number: N/A Class: N/A Packaging group: N/A Hazard Label: N/A

Reportable Quantity (RQ): N/A

Poison Inhalation Hazard: N/A

IMDG

Proper Shipping Name: CHEMICALS, N.O.S (NON-REGULATED)

UN number: N/A Class: N/A Packaging group: N/A Hazard Label: N/A

IATA

Proper Shipping Name: CHEMICALS, N.O.S (NON-REGULATED)

UN Number: N/A Class: N/A Packaging group: N/A Hazard Label: N/A

15 Regulatory Information

TSCA: Listed

SARA Title III

Section 302 (EHS) Ingredients: No

Section 313 Ingredients: No

Section 304 (EHS/CERCLA) Ingredients: No

Section 311/312 Hazard: No

16 Other Information

HMIS Rating

Health hazard: 1

Chronic health hazard:

Flammability: 0

Physical hazard: 0

NFPA Rating

Health hazard: 1

Fire hazard: 0

Reactivity: 0

Special Hazard:

Further information: All chemicals may pose unknown hazards and should be used with caution. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Caisson Laboratories, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.

Revision Date: 22 Dec, 2016