

Material Safety Data Sheet

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name	Cat.#
Betaine 5M	50505S, 50505L

Use of The Substance: For R&D/experimental use only
Company Identification: BioDynami
Address: 601 Genome Way, Huntsville, AL 35806, USA
E-mail: support@BioDynami.com

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview: Not expected to present an immediate, significant hazard if spilled.
Health Effects: No significant hazard expected.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazard description: Not applicable.
Human health hazards: Not applicable.
Environmental Hazards: Not applicable.

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing becomes difficult, call a physician.
Skin: Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
Eye: Flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.
Ingestion: If swallowed, contact a Poison Control Center or seek medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media: Water, foam, carbon dioxide or dry chemical as suitable for surrounding materials.
Special Exposure Hazards: Not applicable.
Special Protective Equipment: Wear approved pressure-demand self-contained breathing apparatus and full protective gear.
Hazardous Decomposition: Not applicable.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prevent skin/eye contact. Use personal protective equipment as needed.
Environmental Methods For Cleaning Up: Cover with absorbent material and sweep up being careful not to create dust. Place into suitable waste container for later disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes.
Storage: Keep container tightly closed. Store at 4°C.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values: Not available.
Personal protective equipment
Respiratory protection: Not applicable.
Hand protection: Protective gloves.
Eye protection: Protective goggles.
Skin and body protection: Appropriate protective clothing.
Hygiene measures: Do not eat, drink or smoke when handling this product. Wash thoroughly after handling.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear aqueous solution

Odor: None

Flash point: Not available

Solubility: Aqueous solution

Density (water = 1): Not available.

Boiling point: Approximately 100°C

Melting point: Not applicable

pH: around 7

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable.

Hazardous Decomposition Products: No dangerous decomposition products known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Skin Contact: No Data Available

Skin Absorption: No Data Available

Inhalation: No Data Available

Ingestion: No Data Available

Eye Contact: No Data Available

Acute Effects from Overexposure: No Data Available

Chronic Effects from Overexposure: No Data available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No Data Available

Mobility: Not available

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

SECTION 14 - TRANSPORT INFORMATION

Not regulated as hazardous for transportation.

SECTION 15 - REGULATORY INFORMATION

US Regulations: Components of this product are listed on the TSCA inventory. No components are listed on U.S. SARA Title III. This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.

EU Regulations: This preparation does not meet the dangerous preparations classification criteria under 1999/45/EC. Not all components of this product are listed on EINECS.

Canadian Regulations: This product is not considered hazardous based on WHMIS criteria.

SECTION 16 - OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. BioDynami is not held liable for any damage resulting from handling or from contact with the above-mentioned products.