# SAFETY DATA SHEET

## BIO-BLOCK (All Sizes)

**BIO-BLOCK**  
Revision 1  
Revision Date: 28-Apr-2015

### 1. COMPANY AND PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>BIO-BLOCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Red Solid</td>
</tr>
<tr>
<td>Other means of Identification</td>
<td>None</td>
</tr>
<tr>
<td>Recommended Use</td>
<td>Slow release bacterial treatment.</td>
</tr>
<tr>
<td>Uses advised against</td>
<td>No information available</td>
</tr>
<tr>
<td>Supplier Name</td>
<td>Genesis Biosciences, Inc.</td>
</tr>
<tr>
<td>Supplier Address</td>
<td>696 Winer Industrial Way</td>
</tr>
<tr>
<td></td>
<td>Lawrenceville, GA 30046</td>
</tr>
<tr>
<td>Supplier Phone Number</td>
<td>+1 (770) 963 0959</td>
</tr>
<tr>
<td>Supplier Fax Number</td>
<td>+1 (770) 962 5431</td>
</tr>
<tr>
<td>Supplier Email</td>
<td><a href="mailto:info@genesisbiosciences.com">info@genesisbiosciences.com</a></td>
</tr>
<tr>
<td>Emergency Phone Number</td>
<td>+1 (800) 825 5810</td>
</tr>
</tbody>
</table>

### 2. HAZARDS IDENTIFICATION

**Classification**

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

**Irritant / Category 2A**
GHS Label Elements, including Precautionary Statements

Signal Word  Warning

Hazard Statements  Causes skin irritation
                   Causes serious eye irritation

Precautionary Statements – Prevention
Wash skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves and eye protection.

Precautionary Statements – Response
See First Aid Measures Section

Skin
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

Precautionary Statements – Storage
None

Precautionary Statements – Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC)
Not applicable

Other information
Causes skin irritation
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Interactions with Other Chemicals
No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a solid containing naturally-occurring viable bacterial cultures, surfactants, builders and dye.

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>% BY WEIGHT</th>
<th>TRADE SECRET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cocamide MEA</td>
<td>68140-00-1</td>
<td>&lt; 27%</td>
<td>*</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>&lt; 4%</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret
4. FIRST AID MEASURES

First aid measures

General Advice
Show this safety data sheet to the Doctor in attendance.

Eye Contact
Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, call a physician.

Skin Contact
Wash with soap and water. Take off contaminated clothing. In the case of skin irritation or allergic reactions, see a physician.

Inhalation
Remove to fresh air.

Ingestion
Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting and seek medical attention.

Most important symptoms and effects, both acute and delayed
Skin contact may aggravate any existing skin disease.
Inhalation of product may aggravate any existing chronic respiratory problem.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical
Upon combustion, toxic gases may be released.

Uniform Fire Code
None.

Hazardous Combustion Products
Carbon ad Nitrogen Oxides.

Explosion Data
Sensitivity to Mechanical Impact
No
Sensitivity to Static Discharge
No
Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Avoid contact with skin and eyes

Environmental precautions

Refer to protective measures listed in Sections 7 and 8

Methods and material for containment and cleaning up

Containment

Prevent further spillage if safe to do so.

Cleaning up

Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practices.
Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage

Keep container tightly closed.

Incompatible Products

Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Appropriate Engineering Controls

Engineering Measures

Showers, Eyewash stations, Ventilation systems.
Individual protection measures, such as personal protective equipment

Eye/Face Protection  None required for consumer use. Safety glasses are recommended.

Skin and Body Protection  None required for consumer use. Repeated or prolonged contact: Wear protective gloves and protective clothing.

Respiratory Protection  No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures  Handle in accordance with good industrial hygiene and safety practices. Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Red</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>None</td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point/ Boiling Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>None</td>
</tr>
<tr>
<td>Upper/Lower flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Dispersible</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient:</td>
<td></td>
</tr>
<tr>
<td>n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>Negligible</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity  No data available.
**Chemical Stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Hazardous Polymerization**
Hazardous polymerization does not occur.

**Conditions to Avoid**
Do not exposed to extreme temperatures for long periods of time. Close containers when not in use.

**Incompatible Materials**
Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures.

**Hazardous Decomposition Products**
Carbon and Nitrogen Oxides.

### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Specific test data for the mixture is not available.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Specific test data for the mixture is not available.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Specific test data for the mixture is not available.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Specific test data for the mixture is not available.</td>
</tr>
</tbody>
</table>

**Component Information**
No information available.

**Information on toxicological effects**

**Symptoms**
Skin contact may cause irritation.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitization</td>
<td>No information available.</td>
</tr>
<tr>
<td>Mutagenic Effects</td>
<td>No information available.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Contains no ingredient listed as a carcinogen.</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>No information available.</td>
</tr>
<tr>
<td>STOT – single exposure</td>
<td>No information available.</td>
</tr>
<tr>
<td>STOT – repeated exposure</td>
<td>No information available.</td>
</tr>
<tr>
<td>Chronic Toxicity</td>
<td>No known effect based on available information.</td>
</tr>
<tr>
<td>Target Organ Effects</td>
<td>Skin.</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>No information available.</td>
</tr>
</tbody>
</table>
**Numerical measures of Toxicity**
Not applicable

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### 12. ECOLOGICAL INFORMATION

**Eco-toxicity, Persistence and Degradability, and Bioaccumulation**

This product is not expected to be dangerous to the environment with respect to mobility, persistency and biodegradability, bio-accumulative potential, aquatic toxicity, and other data related to eco-toxicity.

**Other adverse effects**

None known.

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### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Disposal Methods**

This material, as supplied, is not a hazardous waste according to Federal Regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult with the appropriate State, Regional, or Local regulations for additional requirements.

**Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

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### 14. TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>DOT</th>
<th>Not Regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TDG</th>
<th>Not Regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEX</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>ICAO</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>IATA</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>IMDG/IMO</td>
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</tr>
<tr>
<td>RID</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>ADR</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>ADN</td>
<td>Not Regulated</td>
</tr>
</tbody>
</table>
15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL All components are listed on the DSL

TSCA – United States Toxic Substances Control Act – Section 8(b) Inventory
DSL – Canadian Domestic Substances List

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories
Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or State level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

US State Right-to-Know Regulations
This product does not contain any substances above threshold limits that are regulated by State right-to-know.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Hazardous Material Information System (HMIS)</th>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>
ADDITIONAL INFORMATION

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process.

______________________________________________________________________________

Prepared by: MAA
Date: 28-Apr-2015
Revision: 1

END OF SDS