**MATERIAL SAFETY DATA SHEET**

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**GeneLock Enviromental™**

MSDS Rev: Original Effective 02 September 2009

US Patent#s 6,458,546, 7,569,342 Other Patents Pending

Sierra Molecular Corp.

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| |  | | --- | | 1. Identification of Substance |   Product Name:  Catalogue Number:  Manufacturer:  Sierra Molecular Corporation  21109-C Longeway Road  Sonora, CA 95730 USA  eMail: [info@sierramolecular.com](mailto:info@sierramolecular.com)  Telephone: +1 209 536 8886  Telefax: +1 209 536 0853  Information Department:  Technical Services  eMail: [info@sierramolecular.com](mailto:info@sierramolecular.com)  Telephone: +1 209 536 8886  Telefax: +1 209 536 0853  Emergency Information:  Sierra Molecular Corporation  Telephone: +1 209 536 8886 |

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| |  | | --- | | 2. Composition/Data on Components |   Chemical Characterization:  Description:  Dangerous Components: |

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| |  | | --- | | 3. Hazards Identification |   Hazard description: Not applicable.  Information pertaining to particular dangers for man and environment: Not applicable.  Classification system (according to the latest editions of international substances lists):  NFPA ratings (scale 0 - 4)  Health = 0  Fire = 0  Reactivity = 0  WHMIS-ratings (scale 0 - 4)  Health = 0  Fire = 0  Reactivity = 0 |

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| |  | | --- | | 4. First Aid Measures |   After inhalation: No special measures required.  After eye contact: Flush eyes with water.  After skin contact: Rinse skin with water.  After swallowing: No special measures required. |

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| |  | | --- | | 5. Fire Fighting Measures |   Suitable extinguishing agents: CO2, extinguishing powder, water.  Protective equipment: Do not inhale products of combustion. |

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| |  | | --- | | 6. Accidental Release Measures |   Person-related safety precautions: No special measures required.  Measures for environmental protection: No special measures required.  Measures for cleaning/collecting: Absorb liquid and discard. No special measures required.  Additional information: None. |

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| |  | | --- | | 7. Handling and Storage |   Handling:  Information for safe handling: Keep receptacles tightly sealed.  Information about protection against explosions and fires: No special measures required.  Storage:  Requirements to be met by storerooms and receptacles: No special requirements.  Information about storage in one common storage facility: Not required.  Further information about storage conditions: None. |

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| |  | | --- | | 8. Exposure Controls and Personal Protection |   Airborne Exposure Limits: Not applicable.  Ventilation System: No special measures required.  Skin Protection: No special measures required.  Eye Protection: No special measures required. |

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| |  | | --- | | 9. Physical and Chemical Properties |   General Information:  Form: Fluid  Color: Colorless  Odor: Odorless  Change in condition:  Melting point/Melting range: Approximately 0º C (32º F).  Boiling point/Boiling range: Approximately 100º C (212º F).  Flash point: Not applicable.  Auto-ignition: Product is not self-igniting.  Danger of explosion: Product does not present an explosion hazard.  Density at 20°C (68°F): 1.171 g/cm³  Solubility in / miscibility with water: Fully miscible.  pH-value at 20°C (68°F): 7.3 |

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| |  | | --- | | 10. Accidental Release Measures |   Person-related safety precautions: No special measures required.  Measures for environmental protection: No special measures required.  Measures for cleaning/collecting: Absorb liquid and discard. No special measures required.  Additional information: None. |

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| |  | | --- | | 11. Handling and Storage |   Handling:  Information for safe handling: Keep receptacles tightly sealed.  Information about protection against explosions and fires: No special measures required.  Storage:  Requirements to be met by storerooms and receptacles: No special requirements.  Information about storage in one common storage facility: Not required.  Further information about storage conditions: None. |

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| |  | | --- | | 13. Physical and Chemical Properties |   General Information:  Form: Fluid  Color: Colorless  Odor: Odorless  Change in condition:  Melting point/Melting range: Approximately 0º C (32º F).  Boiling point/Boiling range: Approximately 100º C (212º F).  Flash point: Not applicable.  Auto-ignition: Product is not self-igniting.  Danger of explosion: Product does not present an explosion hazard.  Density at 20°C (68°F): 1.171 g/cm³  Solubility in / miscibility with water: Fully miscible.  pH-value at 20°C (68°F): 7.3 |

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| |  | | --- | | 14. Accidental Release Measures |   Person-related safety precautions: No special measures required.  Measures for environmental protection: No special measures required.  Measures for cleaning/collecting: Absorb liquid and discard. No special measures required.  Additional information: None. |

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| |  | | --- | | 15. Handling and Storage |   Handling:  Information for safe handling: Keep receptacles tightly sealed.  Information about protection against explosions and fires: No special measures required.  Storage:  Requirements to be met by storerooms and receptacles: No special requirements.  Information about storage in one common storage facility: Not required.  Further information about storage conditions: None. |

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| |  | | --- | | 16. Exposure Controls and Personal Protection |   Airborne Exposure Limits: Not applicable.  Ventilation System: No special measures required.  Skin Protection: No special measures required.  Eye Protection: No special measures required. |