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Product: Medical Ultrasound Gel
MSDS No: 110203
Revision: 1.2
Last update:

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|---|---------------------------------|
| Section 1 - Product and Company Information | |
| Product Name | Medical Ultrasound Gel |
| Product Code | 30067000 |
| Company | Phase II Machine & Tool, Inc. |
| EMERGENCY CONTACTS: | (201) 962-7373 |
| Section 2 - Composition/Information on Ingredients | |
| Substance Name | Carbomer |
| CAS No. | 9003-01-4 |
| Formula | - [-CH ₂ -CH-]N-COOH |
| Section 3 - Hazards Identification | |
| HMIS RATING HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0 NFPA RATING HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0 For additional information on toxicity, please refer to Section 11. | |
| Section 4 - First Aid Measures | |
| In case of skin contact, flush with soap and water. In case of eyes contact, flush with flowing water. If swallowed, get medical aid. | |
| Section 5 - Fire Fighting Measures | |
| FLASH POINT | N/A |
| AUTOIGNITION TEMP | N/A |

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| FLAMMABILITY | N/A |
| EXTINGUISHING MEDIA / FIREFIGHTING water spray, dry chemical, sandy soil, chemical foam or carbon dioxide. | |
| Section 6 - Accidental Release Measures | |
| PROCEDURE(S) OF PERSONAL PRECAUTION(S) Wear appropriate protective clothing and safety gloves. | |
| METHODS FOR CLEANING UP Mix with inert material (eg.dry sand, vermiculite) and transfer to sealed container for disposal. | |
| Section 7 - Handling and Storage | |
| HANDLING | soluble in water, PH Value:6-7,neutral |
| STORAGE | Store in a cool, well-ventilated area, keep away from ignition sources, heat and flame.Store in a tightly closed container. Incompatibilities: oxidants and food. |
| Section 8 - Exposure Controls / PPE | |
| ENGINEERING CONTROLS Safety shower and eye bath. Mechanical exhaust required. | |
| PERSONAL PROTECTIVE EQUIPMENT Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Hand: Compatible chemical-resistant gloves. Eye: Chemical safety goggles. | |
| GENERAL HYGIENE MEASURES Wash thoroughly after handling. | |
| Section 9 - Physical/Chemical Properties | |
| Appearance: | PRE-Gel |
| Molecular Weight: | 297.3 AMU |
| pH | N/A |
| BP/BP Range | N/A |
| MP/MP Range | 165-185 °C |
| Freezing Point | N/A |

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| Vapor Pressure | N/A |
| Vapor Density | N/A |
| Saturated Vapor Conc. | N/A |
| SG/Density | N/A |
| Bulk Density | N/A |
| Odor Threshold | N/A |
| Volatile% | N/A |
| VOC Content | N/A |
| Water Content | N/A |
| Solvent Content | N/A |
| Evaporation Rate | N/A |
| Viscosity | N/A |
| Surface Tension | N/A |
| Partition Coefficient | N/A |
| Decomposition Temp. | N/A |
| Flash Point | N/A |
| Explosion Limits | N/A |
| Flammability | N/A |
| Autoignition Temp | N/A |
| Refractive Index | N/A |
| Optical Rotation | N/A |
| Miscellaneous Data | N/A |
| Solubility | soluble in water |
| Section 10 - Stability and Reactivity | |
| <p>STABILITY Stable: Stable.</p> <p>HAZARDOUS DECOMPOSITION PRODUCTS Will not occur</p> <p>HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur</p> | |
| Section 11 - Toxicological Information | |
| <p>ROUTE OF EXPOSURE No toxic and irritant effect. No damage and corrosion to the ultrasound probe.</p> | |

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations**APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION**

The substance is not subject to IATA DGR.

Section 14 - Transport Information**Transport Regulation****DOT**

Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport:
Non-hazardous for air transport.

Please contact GL Biochem(shanghai) Ltd for further information on transportation.

Section 15 - Regulatory Information**Regulation**

UNITED STATES REGULATORY INFORMATION
SARA LISTED: No

Section 16 - Other Information**DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Phase II Machine & Tool shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.