

## Safety Data Sheet acc. to OSHA HCS

Printing date 05/23/2022

Reviewed on 05/23/2022

### 1 Identification

- **Product identifier**
- **Trade name:** Geneclean Spin New Wash
- **Article number:** 1101402
- **Application of the substance / the mixture** For Research or Further Manufacturing Use.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MP Biomedicals, LLC  
29525 Fountain Parkway  
Solon, OH 44139  
United States  
www.mpbio.com
- **Information department:** Quality Control Department
- **Emergency telephone number:** CHEMTREC: 1-800-424-9300 (1-703-527-3887)

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**  
Mixture of substances listed below with nonhazardous additions.  
Mixture: consisting of the following components.

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· **Dangerous components:** Void

## 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Flush eyes with running water as a precaution.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
For personal protection see section 8.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

### · PAC-1:

|           |  |                      |
|-----------|--|----------------------|
| 77-86-1   | TRIS   | 18 mg/m <sup>3</sup> |
| 1185-53-1 | Tris Hydrochloride                                       | 12 mg/m <sup>3</sup> |
| 6381-92-6 | Ethylenediamine Tetraacetic Acid Disodium Salt Dihydrate | 30 mg/m <sup>3</sup> |

### · PAC-2:

|           |  |                       |
|-----------|--|-----------------------|
| 77-86-1   | TRIS   | 190 mg/m <sup>3</sup> |
| 1185-53-1 | Tris Hydrochloride                                       | 130 mg/m <sup>3</sup> |
| 6381-92-6 | Ethylenediamine Tetraacetic Acid Disodium Salt Dihydrate | 330 mg/m <sup>3</sup> |

### · PAC-3:

|           |                    |                         |
|-----------|--------------------|-------------------------|
| 77-86-1   | TRIS               | 1,200 mg/m <sup>3</sup> |
| 1185-53-1 | Tris Hydrochloride | 790 mg/m <sup>3</sup>   |

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6381-92-6 Ethylenediamine Tetraacetic Acid Disodium Salt Dihydrate

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2,000 mg/m<sup>3</sup>

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special requirements.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:** 15-30°C
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Further information about storage conditions:**
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see Section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

|               |                                    |
|---------------|------------------------------------|
| <b>Form:</b>  | Liquid                             |
| <b>Color:</b> | According to product specification |
| <b>Odor:</b>  | Indeterminate                      |

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|   |   |
|---|---|
| · <b>Odor threshold:</b>  | Not determined.   |
| · <b>pH-value:</b>  | Not determined.   |
| · <b>Change in condition</b><br><b>Boiling point/Boiling range:</b>                                   | Undetermined.   |
| · <b>Flash point:</b>   | Not applicable.   |
| · <b>Flammability (solid, gaseous):</b>   | Not applicable.   |
| · <b>Decomposition temperature:</b>   | Not determined.   |
| · <b>Auto igniting:</b>   | Product is not selfigniting.  |
| · <b>Danger of explosion:</b>   | See section 10  |
| · <b>Explosion limits:</b><br><b>Lower:</b><br><b>Upper:</b>  | Not Applicable<br>Not Applicable  |
| · <b>Vapor pressure:</b>  | Not Applicable  |
| · <b>Density:</b><br>· <b>Relative density</b><br>· <b>Vapor density</b><br>· <b>Evaporation rate</b> | Not Applicable<br>Not determined.<br>Not determined.<br>Not determined. |
| · <b>Solubility in / Miscibility with</b><br>· <b>Water:</b>  | Not Determined<br>Not determined.<br>Insoluble.                         |
| · <b>Partition coefficient (n-octanol/water):</b>   | Not determined.   |
| · <b>Viscosity:</b><br><b>Dynamic:</b><br><b>Kinematic:</b>   | Not determined.<br>Not determined.                                      |
| · <b>Solvent content:</b><br><b>Water:</b><br><b>VOC content:</b>                                     | 65.0 %<br>0.00 %<br>0.0 g/l / 0.00 lb/gal                               |
| · <b>Other information</b>  | No further relevant information available.                              |

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid**  
No further relevant information available.  
Avoid contact with acids. Contact liberates a toxic gas.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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## 11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** Irritant and potentially harmful

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Can not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:** Discard must be made according to official regulations.

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## 14 Transport information

|  |                 |
|--|-----------------|
| <b>· UN-Number</b>   |                 |
| <b>· DOT, ADR, ADN, IMDG, IATA</b>   | Not regulated   |
| <b>· UN proper shipping name</b>   |                 |
| <b>· DOT, ADR, ADN, IMDG, IATA</b>   | Not regulated   |
| <b>· Transport hazard class(es)</b>  |                 |
| <b>· DOT, ADR, ADN, IMDG, IATA</b>   |                 |
| <b>· Class</b>   | Not regulated   |
| <b>· Packing group</b>   |                 |
| <b>· DOT, ADR, IMDG, IATA</b>  | Not regulated   |
| <b>· Environmental hazards:</b>  |                 |
| <b>· Marine pollutant:</b>   | No              |
| <b>· Special precautions for user</b>  | Not applicable. |
| <b>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| <b>· UN "Model Regulation":</b>  | Not regulated   |

## 15 Regulatory information

|   |                    |        |
|---|--------------------|--------|
| <b>· Safety, health and environmental regulations/legislation specific for the substance or mixture</b> |                    |        |
| No further relevant information available.  |                    |        |
| <b>· Sara</b>   |                    |        |
| <b>· Section 355 (extremely hazardous substances):</b>  |                    |        |
| None of the ingredients is listed.  |                    |        |
| <b>· Section 313 (Specific toxic chemical listings):</b>  |                    |        |
| None of the ingredients is listed.  |                    |        |
| <b>· TSCA (Toxic Substances Control Act):</b>   |                    |        |
| 7732-18-5   | Water              | ACTIVE |
| 7647-14-5   | Sodium Chloride    | ACTIVE |
| 77-86-1   | TRIS               | ACTIVE |
| 1185-53-1   | Tris Hydrochloride | ACTIVE |
| <b>· Hazardous Air Pollutants</b>   |                    |        |
| None of the ingredients is listed.  |                    |        |
| <b>· Proposition 65</b>   |                    |        |
| <b>· Chemicals known to cause cancer:</b>   |                    |        |
| None of the ingredients is listed.  |                    |        |
| <b>· Chemicals known to cause reproductive toxicity for females:</b>                                    |                    |        |
| None of the ingredients is listed.  |                    |        |
| <b>· Chemicals known to cause reproductive toxicity for males:</b>                                      |                    |        |
| None of the ingredients is listed.  |                    |        |
| <b>· Chemicals known to cause developmental toxicity:</b>   |                    |        |
| None of the ingredients is listed.  |                    |        |

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- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing SDS:** Quality Control Dept.

- **Contact:**

- **Date of preparation / last revision** 05/23/2022 / -

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