

Safety Data Sheet



Revision Date: 6/27/2014

SDS #: 10139

Biotin Wash Solution Concentrate (10X)

1. PRODUCT AND COMPANY IDENTIFICATION

| Product Description | Product Code |
|--|--------------|
| Biotin Wash Solution Concentrate (10X) | 50-63-05 |
| | 50-63-06 |
| | 50-63-07 |
| | 50-63-09 |

Hazardous Reagent
None

Hazardous Reagent Product code
None

Recommended Use Reagent

Contact Manufacturer KPL, Inc.
910 Clopper Road
Gaithersburg, Maryland 20878
USA

Phone #: 1-301-948-7755
Fax #: 1-301-948-0169
Web: www.kpl.com
Email: kplmsds@seracare.com

Emergency Telephone Numbers:

| | | |
|--|-------------------------------|----------------------------------|
| AUSTRALIA – POISONS INFORMATION CENTER | Telephone: 13 11 26 | Hours: 24 hours |
| CANADIAN TRANSPORT EMERGENCY CENTER | Telephone: (1) 613 996 6666 | Hours: 24 hours/day, 7 days/week |
| UK – THE NATIONAL FOCUS | Telephone: (44) 029 2041 6388 | Hours: 09:00-17:00 GMT |
| USA- NATIONAL RESPONSE CENTER | Telephone: (1) 800 424 8802 | Hours: 24 hours/day, 7 days/week |

CHEMTREC: CHEMTREC Customer Number:- CCN12505*
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 CCN12505 or
+1 703-527-3887 (collect calls accepted)

2. HAZARD IDENTIFICATION

| | |
|------------------------------------|---|
| Hazard Type | Not Hazardous |
| Principle Route of Exposure | The substance can be absorbed into the body by inhalation, through the skin and by ingestion. |
| Acute Effects: Eye: | May cause redness and irritation |
| Acute Effecta: Skin: | May be absorbed. Dry skin. Redness. |
| Acute Effects: Inhalation: | Not Applicable |

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Acute Effects: Ingestion: May cause nausea, vomiting and drowsiness

Chronic Effects: Not Applicable

Additional Information The product contains no substances which at their given concentration, are considered to be hazardous to health.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CHEMICAL</u> | <u>% Weight</u> | <u>CAS #:</u> |
|--|-----------------|-----------------|----------------|
| Biotin Wash Solution Concentrate (10X) | Not Applicable | Not Applicable | Not Applicable |

GHS Classification Not Applicable: In accordance with Annex II, the product mixture does not meet the criteria for classification as hazardous in accordance with Titles I and II of Regulation (EC) No 1272/2008 as it contains
(a) in an individual concentration of < 1 % by weight for non-gaseous mixtures at least one substance posing human health or environmental hazards; or
(b) in an individual concentration of < 0.1 % by weight for non-gaseous mixtures at least one substance that is carcinogenic category 2 or toxic to reproduction category 1A, 1B and 2, skin sensitiser category 1, respiratory sensitiser category 1, or has effects on or via lactation or is persistent, bioaccumulative and toxic (PBT) in accordance with the criteria set out in Annex XIII or very persistent and very bioaccumulative (vPvB) in accordance with the criteria set out in Annex XIII or has been included for reasons other than those referred to in point (a) in the list established in accordance with Article 59(1).

4. FIRST AID MEASURES

General Advice Not Applicable
Oral Exposure Rinse mouth
Inhalation Exposure Fresh air, rest.
Skin Exposure Clean skin with soap and water. Wash contaminated clothing before reuse.
Eye Exposure Flush with copious amounts of water or eyewash saline for at least 15 minutes.

5. FIRE FIGHTING MEASURES

Extinguishing media In case of fire in the surroundings, use appropriate extinguishing media.
Unusual Fire and Explosive Hazards Not Applicable
Flash Point Not Applicable
Autoignition Temperature Not flammable
Flammability Statement Not flammable
Specific hazards arising from the chemical Not Applicable

Protective equipment and precautions for firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

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|----------------------------------|--|
| Personal Precautions | Avoid contact with skin, eyes and clothing. |
| Environmental Precautions | Not Applicable |
| Method of Containment | Containment of spills requires no special equipment or procedures. Cover with absorbent. |
| Methods of Clean-up | Clean up of spills requires no special equipment or procedures. Clean with copious amounts of water. |
| Other Information | Not Applicable |

7. HANDLING AND STORAGE

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|------------------|-----------------------|
| Handling: | Wear appropriate PPE. |
| Storage: | Store at 2 – 8°C. |

8. EXPOSURE CONTROL

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| Respiratory Protection | None required if good ventilation is maintained. Otherwise wear MSHA/NIDSH approved respirator suitable for vapor or mist concentrations encountered. |
| Eye Protection | Safety spectacles. |
| Skin Protection | Protective gloves. Protective clothing. |
| Ingestion | Do not eat, drink, or smoke during work. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|----------------------------------|--|
| Appearance | Clear, Colorless Solution. Relatively free of particulate matter |
| Physical State | Liquid |
| Odor | Not Applicable |
| Odor Threshold | Not Applicable |
| pH | 7.1 - 7.4 |
| Boiling Point | Not Applicable |
| Evaporation Rate | Not Applicable |
| Vapor Density | Not Applicable |
| Vapor Pressure | Not Applicable |
| Relative Density | Not Applicable |
| Auto-Ignition Temperature | Not Applicable |
| Water Solubility | Dilutable |
| Flammability | Not Applicable |
| Flash Point | Not Applicable |
| Viscosity | Not Applicable |
| Oxidizing Properties | Not Applicable |
| Explosive Properties | Not Applicable |

Additional Parameters See Datasheet for more product information.

10. STABILITY AND REACTIVITY

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|---|--------------------------------|
| Chemical Stability | Stable under normal conditions |
| Conditions to avoid | Not Applicable |
| Incompatibility Materials to Avoid | Not Applicable |
| Hazardous Decomposition Products | Not Applicable |
| Hazardous Polymerization | Will not occur |
| Possibility of hazardous reactions | Not Applicable |

11. TOXICOLOGY MEASURES

Acute Toxicity

The toxicological risks are minor due to the low concentration of hazardous ingredients. The following toxicological information is for the hazardous ingredient in pure form.

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|------------------------|---------------|
| LD50 Oral | Not Available |
| LD50 Dermal | Not Available |
| LC50 Inhalation | Not Available |

Chronic Toxicity

| | |
|------------------------------|----------------|
| Carcinogenicity | Not Applicable |
| Irritation | Not Available |
| Corrosivity | Not Applicable |
| Sensitization | Not Applicable |
| Neurological Effects | Not Applicable |
| Mutagenic Effects | Not Applicable |
| Reproductive Effects | Not Applicable |
| Developmental Effects | Not Applicable |
| Target Organ Effects | Not Applicable |
| Other adverse effects | Not Available |

12. ECOLOGICAL MEASURES

| | |
|--|----------------|
| Ecotoxicity | Not Applicable |
| Persistence/Degradability | Not Applicable |
| Mobility in Environmental Media | Not Applicable |

**Bioaccumulation/
Accumulation** Not Applicable

13. DISPOSAL MEASURES

Waste Disposal Method: Normal disposal with copious amounts of water. Observe all Federal, State and Local environmental regulations.

Contaminated Packaging: Not Applicable

US EPA Waste Number: Not Applicable

14. TRANSPORTATION MEASURES

DOT: Not Regulated

IATA: Not Regulated

ADR (road)/ RID (rail): Not Regulated

IMDG (sea): Not Regulated

General Transport Regulations Not Applicable

15. REGULATORY MEASURES

This product is a mixture that may contain one or more hazardous chemicals. The hazardous ingredients listed are only those as required by 29 CFR 1910.1200 (OSHA HCS).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains no chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (See 40 CFR 61)

N/A

State Regulations

California Proposition 65:

This product contains the following Proposition 65 chemicals: Not Listed

State Right to Know Act

Chemical Name Not Applicable

Massachusetts Not Applicable
New Jersey Not Applicable
Pennsylvania Not Applicable
New York Not Applicable
Rhode Island Not Applicable

International Inventories

Chemical Name Not Applicable

| | |
|---------------|----------------|
| TSCA | Not Applicable |
| DSL | Not Applicable |
| NDSL | Not Applicable |
| EINECS | Not Applicable |
| CHINA | Not Applicable |
| KECL | Not Applicable |
| JAPAN: | Not Applicable |
| AICS | Not Applicable |

EU Regulations**Annex I Index#****Classification**

Not Applicable: In accordance with Annex II, the product mixture does not meet the criteria for classification as hazardous in accordance with Titles I and II of Regulation (EC) No 1272/2008 as it contains

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Risk Phrases

Not Applicable

Safety Phrases

Not Applicable

Symbols and Indications of Danger

Not Applicable

Specific Concentration Limits

Not Applicable

Export and Import

This substance is not listed in the Annex I of Regulation (EC) No 689/2008.

European Priority List

This substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

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| 16. OTHER INFORMATION |
|------------------------------|

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. KPL shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes. This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.