

VitaHop™ Silver Liquid

Safety Data Sheet

1. Identification of the Substance and of the Company	
1.1 Product Identifier:	VitaHop™ Silver Liquid
1.2 Relevant Uses:	Fermentation aid
1.3 Supplier:	Barth-Haas Group / BetaTec Hopfenprodukte GmbH Bahnhofstr. 20, 91126 Schwabach, Germany Emergency phone: +49 9122 87301-0 (office hours) Email: info@betatec.eu Barth-Haas Group / BetaTec Hop Products, Inc. 5185 MacArthur Blvd., N. W., Suite 300, Washington D. C. 20016, USA. Emergency phone: +1 202 777 4800 (office hours) Email: info@betatechopproducts.com
1.4 Emergency Contact Details:	
2. Hazards Identification	
2.1 Classification:	Not classified (Regulation (EC) No. 1272/2008) Not classified (Directive 67/548/EEC)
2.2 Label Elements	N/A (not classified)
2.3 Other Hazards:	Irritating effects to eyes cannot be excluded
3. Components/Information on Ingredients	
There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.	
4. First Aid Measures	
4.1 Description of First Aid Methods:	<u>Inhalation:</u> None, liquid material. <u>Skin contact:</u> Wash skin thoroughly with soap and water. <u>Eye contact:</u> Flood the eye with plenty of water. If any symptoms persist obtain medical attention. <u>Oral ingestion:</u> Rinse mouth with water. Get medical attention if symptoms persist.
4.2 Most Important Symptoms and Effects	May cause irritation if in contact with eyes.
4.3 Indication of Immediate Medical Attention or Special Treatment	None known.

5. Fire-Fighting Measures	
5.1 Extinguishing Media:	Use extinguishing media suitable for surrounding materials.
5.2 Special Hazards Arising from Substance:	In a fire or if heated, a pressure increase will occur and the container may burst.
5.3 Advice for Firefighters:	No special measures required.
6. Accidental Release Measures	
6.1 Personal Protection:	Put on appropriate personal protective equipment (see Section 8) Keep unnecessary and unprotected personnel from entering.
6.2 Environmental Precautions:	No special measures required.
6.3 Methods for Cleaning Up:	Contain spillage using earth, sand or other inert material. Transfer to suitable sealed container prior to disposal. Flush area with large amounts of water to remove final traces.
7. Handling and Storage	
7.1 Precautions for Safe Handling:	Use with adequate ventilation
7.2 Conditions for Safe Storage:	No special measures required for safe storage.
8. Exposure Controls/Personal Protection	
8.1 Control Parameters:	Not applicable.
8.2 Exposure Controls:	Personal protective equipment should be selected based on the task being performed and risk assessment.
<u>Engineering Controls:</u>	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<u>Eye/Face Protection:</u>	Safety goggles.
<u>Hand Protection:</u>	PVC, rubber, latex or nitrile gloves.
<u>Skin Protection:</u>	If danger of splashing, wear a PVC or rubber apron.
<u>Respiratory Protection:</u>	Not required.

9. Physical and Chemical Properties	
Appearance:	Yellow to brown liquid.
Odour:	Slight yeast aroma.
Odour Threshold:	No data available.
pH:	2.8 – 3.0
Flammability:	Nonflammable
Upper/Lower Flammability:	N/A
Auto-ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Explosive Properties:	None known.
Oxidizing Properties:	None known.
10. Stability and Reactivity	
10.1 Reactivity:	No reactivity hazards known.
10.2 Stability:	Stable under normal conditions, if stored in accordance with 7.2 and 10.5.
10.3 Possibility of Hazardous Reactions:	None known.
10.4 Conditions to Avoid:	None known.
10.5 Incompatible Materials	May precipitate on mixing with any material.
10.6 Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
11. Toxicological Information	
<u>Acute toxicity</u> Conclusion/Summary:	Not available
<u>Chronic toxicity</u> Conclusion/Summary:	Not available
<u>Irritation/Corrosion</u> Conclusion/Summary:	Not available
<u>Sensitizer</u> Conclusion/Summary:	Not available
<u>Carcinogenicity</u> Conclusion/Summary:	Not available
<u>Mutagenicity</u> Conclusion/Summary:	Not available
<u>Teratogenicity</u> Conclusion/Summary:	Not available
<u>Reproductive toxicity</u> Conclusion/Summary:	Not available

12. Ecological Information

To the best of our knowledge, the substance has not been fully assessed so its ecological information is not available.

13. Disposal Considerations

Product disposal:	Dispose of in accordance with all applicable local and national regulations.
Container disposal:	Labels should not be removed from containers until they have been cleaned. Contaminated containers should not be treated as household waste. Containers should be cleaned using appropriate methods and then re-used, recycled or disposed of in accordance with applicable local or national regulations.

14. Transport Information

14.1 UN-Number:	Not listed.
14.2 Shipping Name:	N/A
14.3 Transport Hazard Classes:	Not hazardous for transport.
14.4 Packing Group:	Not listed.
14.5 Environmental Hazards	Not listed.
14.6 Special Precautions	None known.

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations:	Not classified (Regulation (EC) No. 1272/2008). Not classified (Directive 67/548/EEC). Not regulated (HCS Classification)		
SARA 313	Product name	CAS number	%
Form R - Reporting requirements	Mono ammonium phosphate	7722-76-1	8.15
Supplier notification	Mono ammonium phosphate	7722-76-1	8.15
15.2 Chemical Safety Assessment:	No data available.		

16. Other Information

The information in this safety data sheet 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 our present knowledge and should be used only as a supplement to information already in your possession concerning this product. It does not represent any guarantee of the properties of the product. The determination of whether and under what condition the product should be used is yours to make. We do not accept any liability for loss, injury or damage that may result from its use.

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