

# VitaHop<sup>®</sup> Powder

## Safety Data Sheet

1. Identification of the Substance and of the Company	
1.1 Product Identifier:	<b>VitaHop<sup>®</sup> Powder</b>
1.2 Relevant Uses:	This product is used in the food industry
1.3 Supplier:	<b>BARTH-HAAS Group / BetaTec Hop Products, Inc.</b> 5185 MacArthur Blvd., N.W., Suite 300, Washington D. C. 20016, USA.
1.4 Emergency Contact Details:	Emergency phone: +1 202 777 4800 (office hours) Email: info@betatechopproducts.com  <b>BARTH-HAAS Group / BARTH-HAAS UK</b> Hop Pocket Lane, Paddock Wood, Kent, TN12 6DQ, UK Emergency phone: +44 1892 833 415 (09:00 – 17:30 Mon-Thurs; 09:00 – 16:30 Fri, UK time) Email: enquiries@barthhaas.co.uk
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:	Ingestion of a large dose may cause irritation of mouth, throat and digestive tract. Since the product is mildly alkaline, it may cause irritation if in contact with eyes.
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 do not require reporting in this section.	
4. First Aid Measures	
4.1 Description of First Aid Methods:	<b>Inhalation:</b> Remove person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. <b>Skin contact:</b> Wash skin thoroughly with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. <b>Eye contact:</b> Flood the eye with plenty of water. If any symptoms persist obtain medical attention. <b>Oral ingestion:</b> Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
4.2 Most Important Symptoms and Effects	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation to the eyes, nose, throat and lungs.

4.3 Indication of Immediate Medical Attention or Special Treatment	Treat symptomatically. Call poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>5. Fire-Fighting Measures</b>	
5.1 Extinguishing Media:	Small fire: Use dry chemical or carbon dioxide. Do not use water jet. Large fire: Use extinguishing media suitable for surrounding materials. Do not use water jet.
5.2 Special Hazards Arising from Substance:	Fine dust clouds may form explosive mixtures with air. In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, nitrogen oxides, ammonia, amines.
5.3 Advice for Firefighters:	Wear self contained breathing apparatus.
<b>6. Accidental Release Measures</b>	
6.1 Personal Protection:	No action shall be taken involving any personal risk or without suitable training. Shut of all ignition sources. No flares, smoking of flames in hazard area. Avoid breathing dust. Put on appropriate personal protective equipment (see Section 8) Keep unnecessary and unprotected personnel from entering.
6.2 Environmental Precautions:	Avoid dispersal of material, runoff or contact with soil, waterways, drains and sewers. Inform relevant authorities if product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods for Cleaning Up:	For small spills, move containers from spill area. Vacuum or sweep up material and place in a designated labelled waste container. Use spark- proof tools and explosion-proof equipment. For large spills, approach release from upwind. Prevent entry to sewers, waterways, basements or confined areas. Vacuum or sweep up material and place in a designated labelled waste container. Use spark- proof tools and explosion-proof equipment.
<b>7. Handling and Storage</b>	
7.1 Precautions for Safe Handling:	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity

	during transfer by grounding and bonding containers and equipment before transferring material.
7.2 Conditions for Safe Storage:	Suitable packaging materials; polyethylene. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in original container, protected from direct sunlight. Keep in a cool place, protected from sunlight.
7.3 Specific End Uses:	It should be used in accordance with applicable legislation.
<b>8. Exposure Controls/Personal Protection</b>	
8.1 Control Parameters:	Not applicable.
8.2 Exposure Controls:	<p><b>Engineering Controls:</b> Personal protective equipment should be selected based on the task being performed and risk assessment.</p> <p><b>Eye/Face Protection:</b> Safety glasses with side shields.</p> <p><b>Hand Protection:</b> PVC, rubber, latex or nitrile gloves.</p> <p><b>Skin Protection:</b> Working clothes.</p> <p><b>Respiratory Protection:</b> Wear dust protection mask P2.</p>
<b>9. Physical and Chemical Properties</b>	
Appearance:	Solid (powder)
Odour:	Characteristic.
Odour Threshold:	No data available.
pH:	5.1 – 5.7 (Concentration 1%)
Freezing Point:	No data available.
Boiling Point:	No data available.
Flash Point:	No data available.
Flammability:	No data available.
Upper/Lower Flammability:	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Density:	Solid (powder)
Solubility in Water:	Easily soluble in cold water
Partition Coefficient:	< 3
Auto-ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity at 20°C:	No data available.
Explosive Properties:	None known.
Oxidizing Properties:	None known.

<b>10. Stability and Reactivity</b>	
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:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to Avoid:	Avoid the creation of dust when handling and avoid all possible sources of ignition. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation. Exposure to sources of heat, sources of ignition, open flame.
10.5 Incompatible Materials	Strong oxidizers.
10.6 Hazardous Decomposition Products	In case of fire; see section 5.
<b>11. Toxicological Information</b>	
<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
<b>12. Ecological Information</b>	
To the best of our knowledge, the substance has not been fully assessed so its ecological information is not available.	
<b>13. Disposal Considerations</b>	
Product disposal:	Dispose of in accordance with all applicable local and national regulations.
Container disposal:	Wast packaging should be recycled. Dispose of in accordance with applicable local or national regulations.

<b>14. Transport Information</b>	
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.
<b>15. Regulatory Information</b>	
15.1 Safety, Health and Environmental Regulations:	Not classified (Regulation (EC) No. 1272/2008). Not classified (Directive 67/548/EEC). Not regulated (HCS Classification)
15.2 Chemical Safety Assessment:	No data available.
<b>16. Other Information</b>	
<p>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.</p> <p>Date of issue: 03 December 2018</p>	