

# Hexahop Gold® Safety Data Sheet

#### Note

Hexahop Gold® is not classified as a dangerous product according to European Union legislation, and its use is as a food product in the brewing of beer. However, this safety data sheet is provided voluntarily according (as appropriate) to the principles of the Classification, Labelling and Packaging Regulations (Regulation (EC) No. 1272/2008).

1. Identification of the Substance and of the Company					
1.1 Product Identifier:	Hexahop Gold®				
Synonyms:	Reduced isomerized	hop extract, 'h Iro-iso-alpha ext			
1.2 Relevant Uses:	For use as an ingredient in brewing of beer.				
1.3 Supplier: 1.4 Emergency Contact Details:	Barth-Haas Group / Botanix Ltd. 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: intray@botanix.co.uk Barth-Haas Group/John I. Haas, Inc. 5185 MacArthur Boulevard, N.W., Suite 300,				
	Washington, DC, 2001 Emergency phone: +1 Email: info@johnihaas.	202 777 4800 (off	ice hours)		
2. Hazards Identificat	ion				
2.1 Classification:	Not classified (Regulation (EC) No. 1272/2008) Not classified (Directive 67/548/EEC)				
2.2 Label Elements 2.3 Other Hazards:	N/A (not classified)  This product is a bittering ingredient for beer. It is therefore extremely bitter, and it is mildly alkaline. Ingestion of a large dose may cause irritation of mouth, throat and digestive tract. Since the product is mildly alkaline, it may cause eye irritation if in contact with eyes.				
3. Components/Information on Ingredients					
Component	g. valotiko	Concentration	Hazard classification		
Potassium salts of hexahydro-isohumulones		ca. 10%	Not classified		
Water		Balance	Not classified		
4. First Aid Measures					



11 Deceri	otion of	Inholation, None		
4.1 Descrip		Inhalation: None		
	-	Skin contact: Wash skin thoroughly with soap and water.		
Metho	us.	Eye contact: Flood the eye with plenty of water. If any		
		symptoms persist obtain medical attention.		
		Oral ingestion: The product is extremely bitter and so it is		
		very unlikely that anyone would ingest large amounts.		
		Nevertheless, should this happen, drink large amounts of		
		water to dilute. Vomiting may occur but should not be		
4.2 Most Ir	moortant	induced. Consult a physician if any symptoms persist.  May cause irritation of eyes if in contact with eyes.		
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Effects				
		diate Medical None known.		
		al Treatment		
	hting Meas			
5.1 Extingu		Dry powder, foam, carbon dioxide or water		
Media:				
5.2 Specia		The product is an aqueous solution and is therefore not		
Arising		expected to burn. No known unusual fire or explosion		
Substa	ance:	hazards.		
5.3 Advice	for	Wear self contained breathing apparatus.		
Firefig	hters:			
6. Accider	6. Accidental Release Measures			
6.1 Person		Wear appropriate protective clothing – see Section 8.		
Protec				
6.2 Enviro		Do not discharge onto the ground or into watercourses.		
Precau				
6.3 Method		Contain spillage using earth, sand or other inert material.		
Cleani	ng Up:	Transfer to suitable sealed container prior to disposal. Flush		
		area with hot soapy water to remove final traces.		
	g and Stora			
7.1 Precau		Avoid excessive contact with product. Use appropriate		
Safe F	landling:	protective clothing as indicated in Section 8. Wash hands		
7.0 Cara dist	iono for	after use.		
7.2 Condit		Store at 15 – 25 °C (59 – 77°F). Keep container closed. Use		
Sare S	storage:	open containers as soon as possible. Store in original		
		container or suitable high-grade stainless steel, low silicate		
7.3 Specifi	c End	glass or high-density polyethylene.		
Uses:	C EIIU	The substance is a food ingredient and is therefore not subject to registration via REACH (Regulation (EC) No.		
USES.		subject to registration via REACH (Regulation (EC) No. 1907/2006). It should be used in accordance with applicable		
		food legislation.		
		rood registation.		



8. Exposure Controls	s/Personal Protection		
8.1 Control	Not applicable.		
Parameters:			
8.2 Exposure	Engineering Controls:	Not required.	
Controls:	Eye/Face Protection:	Safety goggles.	
	Hand Protection:	PVC, rubber, latex or nitrile gloves.	
	Skin Protection:	If danger of splashing, wear a PVC	
	or rubber apron.		
	<b>Respiratory Protection</b> :	Not required.	
9. Physical and Chen	nical Properties		
Appearance:	Pale yellow/amber liquid	d	
Odour:	Hoppy, resinous		
Odour Threshold:	No data available		
pH:	8.5 – 11		
Freezing Point:	No data available		
Boiling Point:	93 – 104 °C (200 – 220	,	
Flash Point:	Not applicable due to hi		
Evaporation Rate:		ter content; substantial evaporation	
	not expected at normal	conditions)	
Flammability:	Non flammable		
Upper/Lower	N/A		
Flammability:			
Vapour Pressure:	No data available		
Vapour Density:	No data available		
Density:	ca. 1,020 kg.m <sup>-3</sup>		
Solubility in Water:	Miscible. Will precipitate	e if acidified.	
Partition Coefficient:	No data available		
Auto-ignition	No data available		
Temperature:			
Decomposition	No data available		
Temperature:			
Viscosity at 20 °C:	No data available		
Explosive Properties:	None known		
Oxidising Properties:	None known		
10. Stability and Rea			
10.1 Reactivity:	No reactivity hazards kr		
10.2 Stability:		enditions, if stored in accordance with	
40.4 Conditions to	7.2 and 10.5		
10.4 Conditions to Avoid:	None known		
10.5 Incompatible Materials	Will precipitate if acidifie	ed.	
10.6 Hazardous	None known		
Decomposition	TAOTIC INTOWIT		
Products			
1 100000			



### 11. Toxicological Information

Substance contains modified hop extracts, which may be safely used in beer, e.g. in accordance with US FDA regulation 21 CFR 172.560. The substance has not been fully assessed.

Not considered harmful by ingestion (see 4.1; the product is extremely bitter).

Not considered harmful in contact with skin, but observe precautions in section 8.2. May cause slight skin irritation due to its alkaline nature, but does not require classification as an irritant.

May cause slight eye irritation due to its alkaline nature, but does not require classification as an irritant. Observe precautions in section 8.2.

Skin sensitization – although some plant extracts can be sensitizing to the skin, there is no evidence of sensitization caused by this product.

## 12. Ecological Information

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

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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	Not hazardous for transport.			
Hazard Classes:				
14.4 Packing group:	Not listed			
14.5 Environmental	Not listed			
Hazards				
14.6 Special	None known			
Precautions				
15. Regulatory Information				
15.1 Safety, Health and Environmental Regulations:	Not classified (Regulation (EC) No. 1272/2008) Not classified (Directive 67/548/EEC) The substance is a food ingredient and is therefore not subject to registration via REACH (Regulation (EC) No. 1907/2006).			
15.2 Chemical	No data available			
Safety Assessment:				



### **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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