

Isomerized Hop Pellets Safety Data Sheet

Note

Isomerized hop pellets are not classified as a dangerous product according to European Union legislation, and their 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	Preparation and of the Company		
1.1 Product Identifier:	Isomerized Hop Pellets		
Synonyms:	Pre-isomerized Hop Pellets, Iso-pellets, Isopellets		
1.2 Relevant Uses	For use as an ingredient in the brewing of beer		
1.3 Supplier:	BARTH-HAAS Group / BARTH-HAAS UK		
1.4 Emergency Contact Details:	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		
	BARTH-HAAS Group / John I. Haas, Inc. 5185 MacArthur Boulevard, N.W., Suite 300, Washington DC, 20016 USA. Emergency phone: +1 202 777 4800 (office hours) Email: info@johnihaas.com Hopfenveredlung St. Johann GmbH Mainburger Str. 15, 93358 St. Johann, Germany Emergency phone: +49 9444 878 0 E-mail: contact@hopfenveredlung.de		
2. Hazards Identification	on		
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:	This product is a pelleted form of pre-isomerized hops for use as an ingredient for the brewing of beer – see Section 3. It has not been fully tested. Associated dust may be irritating to mouth, throat and eyes.		
3. Components/Information on Ingredients			
	y of hop cones of the cultivated hop plant <i>Humulus lupulus</i> small amounts of magnesium oxide (amount dependent on		

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variety). Isomerized pellets are available from many varieties of hops.



4 F	irst Aid Measures	
	Description of First	Inhalation: Move to fresh air. If symptoms persist obtain
4.1	Aid Methods:	medical attention.
	7 lla Motrious.	Skin Contact: Wash skin thoroughly with soap and water.
		Launder contaminated clothing before re-use.
		Eye Contact: Immediately flood the eye with plenty of water.
		If any symptoms persist obtain medical attention.
		Oral Ingestion: Drink large amounts of water to dilute.
		Vomiting may occur but should not be induced. Obtain
		medical attention if symptoms persist.
4.2	Most Important	None known.
	Symptoms and	
1.0	Effects:	
4.3	Indication of	None known.
	Immediate Medical Attention or	
	Special Treatment:	
5. F	ire-Fighting Measu	res
	Extinguishing	Carbon dioxide, dry powder and foam. Great care should be
	media:	taken using a water jet/spray.
5.2	Special Hazards	None known.
	Arising from	
	Substance:	
5.3	Advice for	Fire fighters should wear self-contained positive pressure
	Firefighters:	breathing apparatus.
	Accidental Release	
6.1	Personal Protection:	Wear appropriate protective clothing – see Section 8.
6.2	Environmental	Do not discharge onto the ground or into watercourses.
	Precautions:	
6.3	Methods for	Normal clean-up procedures as for any agricultural
7 1	Cleaning Up:	commodity.
	landling and Storage Precautions for	
/.1	Safe Handling:	Avoid generating excessive dust. Avoid excessive contact with product. Use appropriate protective clothing as indicated
	Jaie Handing.	in Section 8. Wash hands after use.
72	Conditions for	Store at 0 - 8 °C (32 - 46 °F). Suitable storage containers are
7 .2	Safe Storage:	thick gauge laminated .foil bags, stainless steel and lacquered
	caro crorago.	mild steel. To guarantee quality avoid heat, moisture, strong
		odors during storage.
7.3	Specific End Uses:	The substance is manufactured for use as a food ingredient
	-	and for such uses is not subject to registration via REACH
		(Regulation (EC) No.1907/2006). It should be used in
		accordance with applicable food legislation.



8. Exposure Controls	/ Personal Protection	
8.1 Control	Not applicable.	
Parameters:	Not applicable.	
8.2 Exposure	Engineering Controls:	Provide adequate ventilation.
Controls:	Eye/Face Protection:	If in danger of generating dust, wear a
Controls.	facemask.	ii iii danger or generating dust, wear a
	Hand Protection:	Not required
	Skin Protection:	Not required
		If in danger of generating dust, wear a
	facemask.	in in danger or generating dust, wear a
9. Physical and Chemi		
Appearance:	Solid pellets; various sh	nades of green
Odour:	Characteristic, pungent	
Odour Threshold:	No data available	, appende on variety
pH:	No data available	
Melting Point:	No data available	
Boiling Point:	No data available	
Flash Point:	No data available	
Evaporation Rate:	No data available	
Flammability:	No data available	
Upper/Lower	No data available	
Flammability:		
Vapour Pressure:	No data available	
Vapour Density:	No data available	
Density:	450 – 700 kg.m ⁻³	
Solubility in Water:	Insoluble	
Partition Coefficient:	No data available	
Autoignition	No data available	
Temperature:		
Decomposition	No data available	
Temperature:		
Viscosity at 20 °C:	No data available	
Explosive properties:	No data available	
Oxidising properties:	No data available	



10. Stability and React	ivity
10.1 Reactivity:	No reactivity hazards known Stable if stored in accordance with 7.2
10.2 Chemical Stability:	Stable if stored in accordance with 7.2
·	None known
10.3 Possibility of	None known
Hazardous	
Reactions:	0 0
10.4 Conditions to	See Section 7.2
Avoid:	
10.5 Incompatible	None known
Materials:	
10.6 Hazardous	None known
Decomposition	
Products:	
11. Toxicological Infor	
11.1 Acute Toxicity:	No data available. Hops and hop extracts are generally
	recognized as safe (GRAS) for their intended use in
	accordance with US FDA regulation, 21 CFR 170.30(c) and
	170.3(f). No TLVs established.
11.2 Skin	No data available
Corrosion/Irritation:	
11.3 Serious Eye	No data available
Damage/Irritation:	
11.4 Respiratory or	No data available
Skin Sensitisation:	
11.5 Germ Cell	No data available
Mutagenicity:	
11.6 Carcinogenicity:	No data available
11.7 Reproductive	No data available
Toxicity:	
11.8 STOT-Single	No data available
Exposure:	
11.9 STOT-Repeated	No data available
Exposure:	
11.10 Aspiration	No data available
Hazard:	
12. Ecological Informa	tion
12.1 Toxicity:	No data available
12.2 Persistence and	No data available
Degradability:	
12.3 Bioaccumulative	No data available
Potential	
12.4 Mobility in Soil:	No data available
12.5 Results of PBT	No data available
and vPvB	
Assessment:	
12.6 Other Adverse	No data available
Effects:	Tto data available



13. Disposal Considerations				
Product disposal:	Dispose 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 or disposed of by landfill or incineration as appropriate.			
14. Transport Informat	ion			
UN-Number:	Non-hazardous for transport			
Class:	Non-hazardous for transport			
Shipping name:	N/A			
Packing group:	Non-hazardous for transport			
Marine pollutant:	No data available			
15. Regulatory Information				
15.1 Safety, Health and Environmental Regulations:	No data available			
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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