

PHA® Classics in PG, HAP Classics in PG Safety Data Sheet

Note

PHA® and HAP products are not classified as dangerous products according to European Union legislation, and their use is as flavourings for food, for example 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:	PHA® Classics in PG and HAP Classics in PG
Other Names:	PHA® Classics and HAP Classics are aroma products that
	provide a defined aroma characteristic. This safety data sheet
	is suitable for all of the products listed below:
	HAP (D) Floral in PG (code 126601)
	HAP F&H Blends (code 126248)
	HAP F/H blend 40/60 (code 126234)
	HAP FGC (code 126231)
	HAP FL Extra Linalol (code 126255)
	HAP Floral Dilute (code 126230)
	HAP Floral PG (code 126221) HAP Herbal PG (code 126222)
	HAP LAB436 (code 126304)
	PHA® Super Floral PG (code 126704)
	PHA® 443 (code 126239)
	PHA® 449 (code 126242)
	PHA® 476 (code 126356)
	PHA® 482 (code 126302) PHA® Ale 1-4 (codes 126264-7)
	PHA® Ale 1-4 (codes 126268-71)
	PHA® Balance (code 126626)
	PHA® Citra Classic (126277)
	PHA® Citrussy PG (code 126224)
	PHA® Esters PG (code 126225)
	PHA® Floral 420 (code 126303) PHA® Floral PG (code 126256)
	PHA® Herbal PG (code 126257)
	PHA® Lager 1-4 (codes 126264-7)
	PHA® Lager 1-4 (codes 126268-71)
	PHA® M (code 126227)
	PHA® Myrcene PG (code 126263)
	PHA® Pomegranate (126353) PHA® Rose (126602)
	PHA® Spicy PG (code 126223)
	PHA® Sylvan DP (code 126236)
	PHA® Sylvan PG (code 126226)
	PHA® USAle (code 126625)
	PHA® Zero (various codes) PHA Soft Myrcene (126715)
1.2 Relevant Uses	To be used as a flavouring for foods and beverages. Not for
1.2 Relevant eses	direct consumption as an undiluted product.
1.3 Supplier:	BARTH-HAAS Group / BARTH-HAAS UK
1.4 Emergency	Hop Pocket Lane, Paddock Wood, Kent, TN12 6DQ, UK
Contact Details:	Emergency phone: +44 1892 833 415 (09:00 – 17:30 Mon-
Contact Details.	Thurs; 09:00 – 16:30 Fri, UK time)
	, , ,
	Email: enquiries@barthhaas.co.uk



2. Hazards Idei	ntificatio	n e			
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 Haza		None			
3. Components	s/Inform	ation on	Ingredient	ts	
Contains flavou propylene glyco	•	ponents i	n a carrier	of either pro	ppylene glycol or aqueous
Concent of the component			CAS no.	EINECS no.	Hazard classification of the individual component
Propylene glycol (propan- 1,2-diol)	45 – 99 w/w).99%	57-55-6	200-338-0	Propylene glycol has a workplace exposure limit assigned. It is non-hazardous when used as directed. Propylene glycol is registered as a food additive in the European Union as E 1520.
4. First Aid Mea	asures				
4.1 Description Aid Methods	S:	Rinse no discomfo Skin Cor Eye Con attention Oral Inge consciou	ose and mo ort continuentact: Wash tact: Wash if symptonestion: Rins is. Obtain	outh with wates. I skin thorouth eye with please persist. I se mouth thomeouth attempt in the second in the seco	rerson to fresh air at once. rer. Obtain medical attention if righly with soap and water. renty of water. Obtain medical roughly provided person is ration if discomfort continues.
4.2 Most Impor Symptoms a Effects:		No data	available.	See Section	111.
4.3 Indication of Immediate In Attention or Special Treats	Medical atment:		available.		
5. Fire-Fighting	g Measu	res			
5.1 Extinguishir media:	ng	Carbon of foam.	dioxide, wa	ter spray, dr	ry powder and alcohol-resistant
5.2 Special Haz Arising from Substance:			e glycol wi	Il give rise to	toxic fumes in fire.
5.3 Advice for Firefighters:			ers should g apparatu		ontained positive pressure



6 /	Accidental Release	Measures	
_	Personal		ctive clothing see Section 9
	Protection:		ctive clothing – see Section 8.
6.2	Environmental Precautions:	Do not discharge onto t	he ground or into watercourses.
	Methods for Cleaning Up:	Transfer to suitable sea spillage site with water. sewer.	earth, sand or other inert material. led container prior to disposal. Wash Do not contaminate water sources or
7. H	landling and Storacู	ge	
7.1	Precautions for Safe Handling:	Avoid spilling, skin and	eye contact.
7.2	Conditions for Safe Storage:	and from sources of ign	when not in use. Keep away from heat ition. Suitable storage is high-grade uminium or lacquered steel drums. °F).
7.3	Specific End Uses:	and for such uses it is n	factured for use as a food ingredient ot subject to registration via REACH 07/2006). It should be used in
			ibie 100a legislation.
8. E	xposure Controls /		able 1000 legiolation.
	Exposure Controls / Control Parameters:	Personal Protection Components of the preper exposure limits:	paration for which there are workplace
	Control	Personal Protection Components of the prepexposure limits: Propylene glycol: Ukas 8-hour time weigh	caration for which there are workplace K: Long term exposure limit, measured average (TWA) (refs.1,3):
	Control	Personal Protection Components of the preper exposure limits: • Propylene glycol: Uhas 8-hour time weigh 150 ppm (474 mg/m	Caration for which there are workplace K: Long term exposure limit, measured attended average (TWA) (refs.1,3): 3) for total vapour and particulates; 10
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9. Physical and Chem			
Appearance:	Clear liquid, transparent to pale yellow		
Odour:	Characteristic (depending on specific PHA® product)		
Odour Threshold:	No data available		
pH:	No data available		
Freezing Point:	No data available		
Boiling Point:	No data available. The boiling point of propylene glycol is >150 °C (302 °F)		
Flash Point:	>90 °C (194 °F)		
Evaporation Rate:	No data available		
Flammability:	No data available. Data for propylene glycol: LEL 2.6%, UEL 12.5%		
Upper/Lower Flammability:	No data available		
Vapour Pressure:	No data available. Data for propylene glycol: <10 mbar at 20 °C		
Vapour Density:	No data available		
Density:	1,010 – 1,060 kg.m ⁻³		
Solubility in Water:	Soluble		
Partition Coefficient:	No data available		
Autoignition	No data available		
Temperature:			
Decomposition Temperature:	No data available		
Viscosity at 20 °C:	No data available		
Explosive properties:	No data available. Data for propylene glycol: Heat or flame may cause explosions.		
Oxidising properties:	No data available		
10. Stability and Reac	tivity		
10.1 Reactivity:	No reactivity hazards known		
10.2 Chemical Stability:	Stable if stored in accordance with 7.2 and 10.5.		
10.3 Possibility of Hazardous Reactions:	None known		
10.4 Conditions to Avoid:	Avoid excessive heat for prolonged periods of time.		
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.		
10.6 Hazardous Decomposition Products:	Fire creates carbon monoxide (CO) and carbon dioxide (CO ₂).		



11.1 Acute Toxicity: Not known. The product contains propylene glycol at 45 – 99.99% w/w as indicated in Section 3. Propylene glycol is registered as a food additive in the EU as E 1520. Toxicological data for propylene glycol: LD ₅₀ oral rat, mouse 20, 22 g kg ⁻¹ , respectively (1). Propylene glycol may cause local irritation of skin and mucuous membranes (1). Spray and vapour in the eyes may cause irritation and smarting (2). No data available Corrosion/Irritation: 11.3 Serious Eye Damage/Irritation: 11.4 Respiratory or No data available The productive Toxicity: No data available No data available Exposure: 11.10 Aspiration Not hazardous Hazard: 12. Ecological Information 12.1 Toxicity: No data available. The product contains propylene glycol at 45 – 99.99% w/w as indicated in Section 3. Propylene glycol is not regarded as dangerous for the environment (2). Data for propylene glycol: LC ₅₀ (24 hr) goldfish 5000 mg i ⁻¹ (1); EC ₅₀ (24 and 48 hr) Daphnia magna >10 g i ⁻¹ (1). Potential: No data available. The bioconcentration of propylene glycol has been estimated as <1 (1). No data available. Miscible with water. No data available. No data available. Miscible with water. No data available. No data available. Miscible with water. No data available. Other Adverse Effects: No data available		
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13. Disposal Consider	ations		
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	tion		
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 Informa	ation		
15.1 Safety, Health	Not classified (Regulation (EC) No. 1272/2008)		
and	Not classified (Directive 67/548/EEC)		
Environmental	The substance is a food ingredient and is therefore not subject		
Regulations:	to registration via REACH (Regulation (EC) No. 1907/2006).		
15.2 Chemical Safety	No data available		
Assessment:			
16 Other Information			

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.

<u>References</u>: (1) Dictionary of Substances and their Effects (DOSE), 3rd Electronic Edition, 2005 (Royal Society of Chemistry/.Knovel Corp.) (2) Supplier SDS for propylene glycol. (3) EH40/2005 Workplace Exposure Limits, Health and Safety Executive, 2nd Edition 2011.

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