



2.3	Is the starting material derived from genetically modified organisms (GMO)?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
2.4	Information on production process (general description)	Transamidation of coconut oil with dimethylamino propylamine, followed by quaternization with sodium monochloroacetate to betaine

3.	<b>Microbiological specification</b>	
3.1	<b>Total viable count (colony-forming units/g)</b>	< 1000 colony-forming units/g

4.	<b>By-products / Impurities</b> (presence of prohibited and restricted substances identified in CHAPTER IV and the Annexes of Regulation (EC) 1223/2009 are considered to be technically unavoidable traces, stemming from impurities of natural or synthetic ingredients, the manufacturing process, storage or migration from packaging or if used, in accordance with the restrictions laid down)		
4.1	<b>1,4-Dioxane</b>	Not added and not expected	
4.2	<b>Ethylene oxide</b>	Not added and not expected	
4.3	<b>Residual monomers</b>	Not added and not expected	
4.4	<b>Glycol ethers</b>	Not added and not expected	
4.5	<b>Amines</b>	< 0.3 % Amido amine < 1 ppm Dimethyl amino propylamine (random test)	
4.6	<b>Nitrosamines</b>	Not detectable (random test, detection limit 10 ppb)	
4.7	<b>Heavy metals</b> <input type="checkbox"/> Not determined	As: < 0.5 ppm	Cd: < 0.1 ppm
		Cr: n.d.	Hg: < 0.1 ppm
		Pb: < 0.5 ppm	Sb: < 0.5 ppm
4.8	<b>Others (e.g. CMR)</b>	≤ 10 ppm Monochloroacetic acid ≤ 20 ppm Dichloroacetic acid approx. 2.5 % Glycerine approx. 5 % Sodium chloride	

5.	<b>Toxicological &amp; Ecological Data</b>		
	Please refer to SDS section 11 and 12		
5.1	<b>Additional information</b>		
	<b>Degradability / Elimination</b>	> 87 % after 28 days ISO 14593 > 60 % after 14 days OECD 301 D	

6.	<b>Additional information</b> (For details on specification see enclosed instruction sheet; for details on labelling and classification see enclosed safety data sheet.)		
	<b>Additives</b>	Not added	
	<b>Allergens</b> as of Regulation (EU) No 1223/2009 Annex III, No. 67-92 as of Regulation (EU) No 1169/2011 Annex II	Not added and not expected	

<b>Gluten</b>	Not added and not expected
<b>Lactose</b>	Not added and not expected
<b>Nanomaterials</b> as of Regulation (EU) No 1223/2009 Article 16	Not added and not expected
<b>Phthalates</b> as of Regulation (EU) No 1223/2009 Annex II	Not added and not expected
<b>Polycyclic Aromatic Hydrocarbons (PAH)</b>	Not added and not expected
<b>Pesticides</b>	Not added and not expected
<b>Preservatives</b>	0.5 % Sodium Benzoate
<b>Residual solvents</b> according to ICH Q3C	Based on our actual knowledge of our production process, raw materials and equipment used, no solvent is used in the manufacturing process or, if used, is removed in a final step of the manufacturing process.
<b>Irradiation</b>	No risk material
<b>BSE statement</b>	No risk material
<b>Vegan statement</b>	No risk material
<b>Halal</b>	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
<b>Kosher</b>	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
<b>CITES Convention</b>	Not applicable, cultivated vegetable raw materials
<b>6.1</b>   <b>Shelf life</b>	12 months

*The information herein is based on our present knowledge and experience with respect to the production process, supplier information on raw materials and analytical data where applicable. Therefore, no guarantee of product properties in the legal sense is intended or shall be implied. We recommend to assess the products in question in respect to their suitability for the intended purpose prior to use. Zschimmer & Schwarz reserves the right to make any changes according to technological progress or further developments and to change or update this information without any notice. This document shall apply until it is replaced by a new version, expires in case of any regulatory changes or after 12 months at the latest. Please note that by this declaration we do not assume any liability additional to the liabilities already stipulated in our sales contracts or our general business conditions.*