

Amylomer™ Care25

Technical Data Sheet

1.	INFORMATION OF INGREDIENT	
1.1	Trade Name	Amylomer™ Care25
1.2	Manufacturer	URSA Chemie GmbH
1.3	Supplier	Gräfe Chemie GmbH Deichstraße 48-50 D-20459 Hamburg, Germany Tel.: +49 - (0)40 – 7602638 E-Mail: info@graefe-naturchemie.de

2.	PRODUCT DESCRIPTION		
2.1	Raw Material category/ function	Hair/Skin Conditioning; Antistatic; Viscosity Controlling; Emulsion Stabilising	
2.2	Ingredients according to INCI	Water (US)/Aqua (EU); Starch Hydroxypropyltrimonium Chloride; Sodium Lactate; Sodium Chloride; Lactic Acid; Urea; Sodium Benzoate	
2.2.1	Composition (INCI)		
	Components	Source	Percentage [%]
	Water/Aqua		70,0
	Starch Hydroxypropyl Trimonium Chloride	vegetable/synthetic	19,6
	Sodium Lactate	vegetable/organic	3,5
	Urea	synthetic	3,2
	Sodium Chloride	synthetic	0,9
	Lactic Acid	Vegetable/organic	2,5
	Sodium Benzoate	Vegetable/organic	0,3
2.3	EINECS / ELINCS	231-791-2; Polymer; 200-772-0/ 212-762-3; 231-598-3; 200-315-5; 200-018-0/201-196-2; 208-534-8	
	CAS-no.	7732-18-5; 56780-58-6; 72-17-3/ 867-56-1; 7647-14-5; 57-13-6; 50-21-5/79-33-4; 532-32-1	
	Registration Status	Europe: registered in EU-Inventory US: CTFA-registered	

3.	MANUFACTURING INFORMATION	
3.1	Origin of starting material	Potato Starch made in Germany
3.2	Description of manufacturing process	
	Amylomer™ Care25 is a chemical reaction of potato starch with Chlorohydroxypropyl trimonium chloride	
	Irridiation: Amylomer™ Care25 was not irradiated with γ-rays.	
	Amylomer™ Care25 is produced in the absence of any animal derived material of any type. Based on the information on the manufacturing process and production site no contamination with BSE/ TSE risk materials is to be expected.	
	Origin of plant based materials (dominant origin of constituents): potato	

	<p>CITES: Amylomer™ Care25 not based on raw materials from species listed in CITES appendices.</p> <p>GMO-Status</p> <p>During the production no GMOs and derivatives from GMOs are used. All reasonable measures have been taken to avoid cross-contamination with GMOs or derivatives from GMOs.</p>
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4.	SPECIFICATION	
4.1	<p>Active Content [%]</p> <p>Density [g/ml]</p> <p>pH DIN 19268</p> <p>Viscosity (Brookfield, LVT)</p>	<p>19,6 %</p> <p>1,10 ± 3 g/ml</p> <p>~ 3,5 – 4,1</p> <p>400 – 800 mPa*s</p>

5.	Microbiological Specification	
5.1	<p>Total Bacterial Count Aerobes (KBEg)</p> <p>TAMC</p> <p>EAB 5</p>	<10

6.	Impurities	
6.1	1,4-Dioxan	Not to be expected
6.2	Ethylenoxide	Not to be expected
6.3	Residual Solvent	Not to be expected
6.4	Monomers	Not to be expected
6.5	Free Amines	Not to be expected
6.6	Nitrosamines	Not to be expected
6.7	Pesticides	HCH, DDT, DDE, Dichlofenthion, PCBs (detection limit 0,03 ppm)
6.8	Polyaromatic Hydrocarbons	No data available
6.9	Other Impurities	Aflatoxine B1, B2, G1, G2: not detectable (detection limit 4 µg/kg)
6.10	Formaldehyde	Not to be expected
6.11	Nano-, Microplastic (FTIR)	PE 27
6.12	Heavy Metals (ppm)	Cu, Hg <0.1; Ti, Zn <0.2; Pb, Cr, Bi <0,5; Fe <5.0

7.	Shelf life / storage Conditions
7.1	24 months after production (unopened original packaging)

8.	Regulatory Status		
8.1	<p>HS-Code</p> <p>EU-CN-Code</p>	<p>350510</p> <p>35051050</p>	
8.2	Regulatory status (chemical regulations) Europa		
	Components	Reach Status	CAS.No
	Water/Aqua	Exempt (Annex IV)	7732-18-5
	Starch	Polymer	56780-58-6
	Hydroxypropyl		
	Trimonium Chloride		
			EINECS / EC No.
			231-791-2
			Polymer

	Sodium Lactate	Exempt (Annex V, no. 5)	72-17-3 867-56-1	200-772-0 212-762-3
	Sodium Chloride	Exempt (Annex V, no. 5)	7647-14-5	231-598-3
	Lactic Acid	Reg. no. 01-2119474164-39	79-33-4	201-196-2
	Urea	Reg. no. 01-2119463277-33	57-13-6	200-315-5
	Sodium Benzoate	Reg. no. 01-2119460683-35	532-32-1	208-534-8

9.	TOXICOLOGY	
9.1	Acute Toxicology	No data available
9.2	Acute Dermal Toxicity	Not expected
9.3	Skin Irritation	Not irritant (HRIPT)
9.4	Eye Irritation	Irritating
9.5	Mutagenicity, Cancerogenity, Teratogenicity	Not mutagenic
9.6	Genotoxicity (e.g. Ames-Test)	GMO free
9.7	Percutaneous Permeation	As the product is a polymer, no percutaneous penetration is expected
9.8	Subchronic Toxicitytests	No data available
9.9	Teratogenicity	No data available
9.10	Toxicokinetics	No data available
9.11	Additional Toxicitytests	No data available
9.12	Phototoxicity	No data available
9.13	Photosensitization	No data available
9.14	Inhalative Toxicity	No data available

10.	HUMAN EXPERIENCE	
10.1	Data on Human Dermal Irritation	Does not cause any relevant irritation in humans (HRIPT).
10.2	Data on Human Sensitization	Does not cause any sensitization in humans (HRIPT).

11.	ECOLOGICAL DATA	
11.1	Biodegradability (OECD 301F)	Readily biodegradable
11.2	Aquatic Toxicity (OECD 202)	EC 50 53,29 mg/ L
11.3	Water Endangering Class	2 (self-classification based on AwSV)
11.4	Other Information	None

12.	DERMATOLOGICAL ANALYSIS	Certificated with excellent (derived)
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13.	INDEX ISO 16128-1 & -2:2017 for natural ingredients				
	Natural substance content calculation	Natural content	natural origin content	organic content	organic origin content
	Formulation components with formulation water	0,00 %	92,97 %	-/-	-/-

1.	SAFETY DATA SHEET	see attachment sd35075_AMYLOMER_Care25_(4)_EU)
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