

Form 15 Superabsorbent materials

To be used in conjunction with an application for a licence for the Nordic Ecolabelling for Hygiene Products, generation 7, for requirement **O31**, **O33** and **O34**.

To be completed by the producer of the superabsorbent material.

Name of the superabsorbent material:

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O31 Bio-based plastic		
Are the polymers made from bio-based materials? If yes, fill in form 17, Bio-based plastic for requirement O31.	☐ Yes	☐ No
O33 Superabsorbent polymers (SAP), residual monomers and extracts		
Does the super absorbent (SAP) contain more than 1000 ppm residual monomers (the total of unreacted acrylic acid and crosslinkers) that are classified with the risk or hazard phrases specified in the table below? Please specify the residual monomers which are classified as described above:	☐ Yes	☐ No

Table A3. Excluded hazards.

Hazard class	Hazard class and category	Hazard code
Hazardous to aquatic environment	Aquatic Acute 1 Aquatic Chronic 1-4	H400 H410, H411, H412 H413
Carcinogenicity	Carc. 1A or 1B Carc. 2	H350 H351*
Germ cell mutagenicity	Muta. 1A or 1B Muta. 2	H340 H341
Reproductive toxicity	Repr. 1A or 1B Repr. 2 Lact.	H360 H361 H362
Respiratory or skin sensitisation	Resp. Sens. 1, 1A or 1B Skin Sens. 1, 1A or 1B	H334 H317
Acute toxicity	Acute Tox. (oral) 1, 2 Acute Tox. 3 Acute Tox. 4	H330, H310, H300 H331, H301, H311 H332, H312, H302
Specific target organ toxicity	STOT SE 1 STOT SE 2 STOT RE 1 STOT RE 2	H370 H371 H372 H373
Aspiration hazard	Asp. Tox 1	H304

Skin corrosion/irritation	Skin Corr 1A/B/C	H314
Endocrine disruption for human health*	ED HH 1 ED HH 2	EUH380 EUH381
Endocrine disruption for the environment*	ED ENV 1 ED ENV 2	EUH430 EUH431
Persistent, Bioaccumulative and Toxic properties* Very Persistent, Very Bioaccumulative properties*	PBT vPvB	EUH440 EUH441
Persistent, Mobile, and Toxic properties Very Persistent, Very Mobile properties	PMT vPvM	EUH450 EUH451

*See also O9 Other excluded substances for additional requirements for potential or identified endocrine disruptors and PBT/vPvB substances.

O33 Superabsorbent polymers (SAP), residual monomers and extracts		
Is acrylamide (CAS no. 79-06-1) used as a monomer?	☐ Yes	☐ No
Does the superabsorbent contain more than 10.0 weight-% of the water-soluble extracts (monomers and oligomers of acrylic acid with lower molecular weight than SAP, and salts)? Please describe the method of analysis and the laboratories responsible for the analysis: <i>Information on sampling, methods of analysis and analysis laboratories is provided in Appendix 2. The following methods can be used:</i> <i>EDANA Method NWSP 210.0.R2 (15) Polyacrylate Superabsorbent Powders- Determination of the Amount of Residual Monomers</i> <i>EDANA method NWSP 270.0.R2 (15) Polyacrylate Superabsorbent Powders- Determination of Extractable Polymer Content by Potentiometric Titration</i>	☐ Yes	☐ No
Please state the amount of water-soluble extracts:		
Is a safety data sheet which specifies the composition and full name and CAS number of the superabsorbent polymer been attached? Name of attachment: _____	☐ Yes	☐ No
O42 Part c Synthetic polymers used in single-use products Applies to SAP in the hygiene product (≥5 weight-%)		
Has the manufacturing site of the component undergone energy audit and have an action plan (EN 16247 and action plan) or have an ISO 50001 certification or have an ISO 14001 certification together with section 6.3 in 50001? Name of attached documentation:	☐ Yes	☐ No
Is fossil oil or coal used as fuel? <i>The necessary use of fossil oil e.g. for planned maintenance stops, emergency stops, or start-ups, is allowed.</i>	☐ Yes	☐ No
Submit data on energy consumption kWh/kg (also kWh/m ²) component <i>Specify what production activities are included in the energy consumption.</i>		

O33 Superabsorbent polymers (SAP), additives. Applies to SAP in the hygiene product (≥10 weight-%)		
Have chemicals been added to the superabsorbent polymer? If yes, the chemicals added must fulfil the requirements O7-O9. Please attach completed Appendix 1, form 2a "Declaration - Chemicals" and safety data sheet for each chemical added.	☐ Yes	☐ No

We declare that the requirements have been met and that the information provided is correct. In the event of any change to the composition of the product, that impacts the product's fulfilment of the requirements, a new declaration of fulfilment of the requirements is to be submitted to Nordic Ecolabelling.

Date and place:	Company name:
Responsible person:	Signature, responsible person: