

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:

Name of the producer of the superabsorbent material:

| O31 Bio-based plastic | | |
|---|------------------------------|-----------------------------|
| Are the polymers made from bio-based materials? If yes, fill in form 17, Bio-based plastic for requirement O31. | <input type="checkbox"/> Yes | <input type="checkbox"/> 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: | <input type="checkbox"/> Yes | <input type="checkbox"/> 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 |

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|--|----------------------|----------------------|
| 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 |

**Titanium dioxide (CAS 13463-67-7) is exempted from the requirement when used as a pigment. It cannot be used in powder or spray form.*

***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? | <input type="checkbox"/> Yes | <input type="checkbox"/> 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: <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><i>Information on sampling, methods of analysis and analysis laboratories is provided in Appendix 2. The following methods can be used:</i></p> <p><i>EDANA Method NWSP 210.0.R2 (15) Polyacrylate Superabsorbent Powders- Determination of the Amount of Residual Monomers</i></p> <p><i>EDANA method NWSP 270.0.R2 (15) Polyacrylate Superabsorbent Powders- Determination of Extractable Polymer Content by Potentiometric Titration</i></p> </div> | <input type="checkbox"/> Yes | <input type="checkbox"/> 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: _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> 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: _____ | <input type="checkbox"/> Yes | <input type="checkbox"/> 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> | <input type="checkbox"/> Yes | <input type="checkbox"/> 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. | <input type="checkbox"/> Yes | <input type="checkbox"/> 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.

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