

Form 20, Silicones in menstrual cups

To be used in conjunction with an application for a licence for the Nordic Ecolabelling for Hygiene Products, generation 7, for requirements O37, O38 and O39.

To be completed by the producer of silicone.

Name of the material

Name of the producer

O10 Silicone		
Does the concentration of each of the following substance in the silicone raw material exceed 100 ppm (0.01% by weight, 100 mg/kg)? Octamethyl-cyclotetrasiloxane, D4, (CAS no. 556-67-2) Decamethyl cyclopentasiloxane, D5, (CAS no. 541-02-6) Dodecamethyl cyclohexasiloxane, D6, (CAS no. 540-97-6)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
O37 General requirements		
Does the silicone/silicone elastomer comply with BfR Recommendation XV Silicones? Attach third party confirmation Name of attachment:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
O37 Emission of dust and chlorides		
The storage and handling of the elemental silicon raw material shall use at least one of the following techniques, see below, please specify which techniques are used.		
Storing of elemental silicon in silos (after grinding)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Storing of elemental silicon in covered areas protected from rain and wind (after grinding)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Using equipment designed with hooding and ducting to capture diffuse dust emissions during the loading of elemental silicon into storage (after grinding)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Maintaining the atmosphere of the grinder at a slightly lower pressure than atmospheric pressure.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
The yearly average of channelled emissions of dust shall be below 5 mg/Nm ³ . The dust emissions should be continuously monitored. Attach test results of the dust measurements taken on site, together with the yearly average of the dust emission. Name of attachment:		
Is the yearly channelled dust emission on average below 5 mg/Nm ³ ?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
The off-gases from the methyl chloride, direct synthesis and distillation process steps shall undergo thermal oxidation followed by scrubbing. Burning of chlorinated compounds shall be authorised in the thermal oxidation process. Attach details on the processing of the off-gases from the methyl chloride, direct synthesis and distillation steps. Name of attachment: <hr/>		
O38 Emissions of copper and of zinc to water		
Are the water effluents from the polydimethylsiloxane (PDMS) production step pre-treated by precipitation or flocculation under alkaline conditions, followed by sedimentation and filtration? Including dewatering of the sludge before disposal and recovering of the solid metal residues in metal recovery plants? Attach description how the effluent is treated. Name of attachment:_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Is the concentration of zinc in the treated effluent below 2 mg/l? Attach test report for zinc measurements. Name of attachment: _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Is the concentration of copper in the treated effluent below 0.5 mg/l? Attach test report for copper measurements. Name of attachment: _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
O39 Emissions of CO₂		
Do the emissions of CO ₂ from the production of the silicone exceed 6.58 kg per kg silicone? Including emissions from the production of electricity whether on-site or off-site. Attach detailed calculations for the CO ₂ emissions from the production of the silicone, name of attachment: _____ <i>CO₂ emissions shall include all sources of non-renewable energy used during the production of the silicone (whether on-site or off-site). CO₂ emission factors for other energy sources can be found in Annex VI to Regulation (EU) 2018/2066, whereas the CO₂ emission factors for grid electricity shall be calculated by factor 210 g CO₂/kWh. However, if the greenhouse gas emission intensity of electricity generation given by European Environment Agency* indicates a higher emission calculation factor for the country where the manufacturing is located, this shall be used.</i> <i>*https://www.eea.europa.eu/en/analysis/indicators/greenhouse-gas-emission-intensity-of-1</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Please attach completed form 2a "Declaration - Chemicals" and safety data sheet for each additive added.

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:	Name of the Silicone producer:
Responsible person:	Signature, responsible person: