Dentasil Gel produced by Altermed a.s.

Nanomaterial description

1. **Material source or producer: Not reported**

2. **Manufacturing process: Not reported**

3. **Appearance: Not reported**

4. **Chemical composition: Ag**

5. **Physical form/shape: Not reported**

6. **Purity: Not reported**

7. **Size distribution: Not reported**

8. **Solubility: Not reported**

9. **State of aggregation or agglomeration: Not reported**

10. **CAS number (if applicable): Not reported**

Product description

Dental gel. Manufacturers state that: "Dentasil gel contains the unique complex AGN 300TM and silver colloid nanoparticles, which have a strong antibacterial effect" that can "…help the regeneration and healing of irritated mucous membrane of the oral cavity in case of periodontosis (periodontisis), they act against the creation of dental plaque, opening of dental crevices and helps maintain fresh breath." (http://www.hellotrade.com/altermed-corporation/dentasil-gel.html). This indicates that the silver particles are suspended in liquids.

Applications

APPENDIX 1: NanoRiskCat●●●|♦♦ Template

Exposure potential for professional end-users

Given the nature of the product and the location of the nanoelement, exposure for the professional end-users is to be expected as the product is to be used orally.

Hence we concluded that the overall ***Exposure potential for professional end-users is*** ●

Consumer exposure potential

Given the nature of the product and the location of the nanoelement, consumer exposure is to be expected as the product is to be used orally.

Hence we concluded that the overall ***Exposure potential for consumers is*** ●

Environmental exposure potential

Given the nature of the product and the location of the nanoelement, environmental exposure is to be expected especially during use. The main outlets to the environment are expected after use either directly into the water recipients and/or indirectly via the Sewage Treatment Plants into water recipient and soil.

Hence we concluded that the overall ***Environmental exposure potential is*** ●