

APPENDIX 1: NanoRiskCat Template

Clarity Defender™ Automotive Windshield Treatment produced by NanoFilm® Ltd.

Nanomaterial description

1. Material source or producer: Not reported
2. Manufacturing process: Not reported
3. Appearance: Not reported
4. Chemical composition: Not reported
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

Disposable applicator and a microfiber cloth. According to the manufacturers a “...easy, clean barrier is created that “chemically bonds to all glass, standing up to sunlight, moisture, bugs and bird droppings” and “projects your windshield and windows up to 1 year”. This indicates that the location of the nanoelement in the products is suspended in liquids during initial application onto surfaces where after it would fall into surface bound nanoparticles.

Applications

Exposure potential for professional end-users

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Given the nature of the product, the location of the nanoelement as well as the described usage, exposure for professional end-users seems to be possible when the product is used initially.

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

Consumer exposure potential

Given the nature of the product, the location of the nanoelement as well as the described usage, consumer exposure seems to be possible mainly when the product is used initially.

Hence we concluded that the overall Consumer exposure potential is ●

Environmental exposure potential

Given the nature of the product, the location of the nanoelement as well as the described usage, environmental exposure seems to be possible especially due to wear and tear of the surface.

Hence we concluded that the overall Environmental exposure potential is ●