

NANOMASS TECHNOLOGY
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Test Report No. CSA 251495/1
Issue Date: 21 March 2018

Attn:

Sample Name: NANOMASS NTHD

TOXICOLOGICAL RISK ASSESSMENT – EU

PRODUCT:

NANOMASS NTHD

This Risk Assessment is conducted in accordance with the principles of Good Laboratory Practice referred to in Article 1 of Council Directive 2004/ 10/ EC on the applications of the principles of good laboratory practice and the verification of their application for tests on chemical substances.

This assessment takes account of:

- a) The general toxicological profile of each ingredient used.
- b) The chemical structure of each ingredient.
- c) The end use of the product.

REVIEW OF INGREDIENTS

The assessment is based on ingredient safety reviews and legislation and information on the final product, including the intended and reasonably foreseeable conditions of use and the physico-chemical properties of the ingredients.

DESCRIPTION OF THE PRODUCT

Nanomass NTHD

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QUALITATIVE AND QUANTITATIVE COMPOSITION OF THE PRODUCT

The INCI names of the ingredients in the composition are listed below. Detailed information on the safety and toxicology of the ingredients has been reviewed.

INGREDIENTS:

Aqua (87-92%)

Alcohol (7.76-12.61%)

3-Aminopropyl Functionalised Silica (0.39-0.24%)

The above ingredients have been reviewed for potential to be skin irritants, sensitisers or photo-sensitisers. Where data are available for systemic and sub-chronic toxicity, this has been taken into account. A review of the literature and of the structural chemistry has been made for each ingredient to estimate the likely potential for genotoxicity, reproductive effects and carcinogenicity.

TOXICOLOGICAL RISK ASSESSMENT

The formulation is representative of products of this type.

All of the ingredients are well known and have a history of safe use in the marketplace with no reports of significant adverse effects or reactions.

If the manufacturer's instructions are followed the products will give users a high degree of safety.

Skin Toxicity- Neat Product

Product as supplied is unlikely to cause skin irritation.

Exposure to this product is unlikely to result in photo-toxic effects.

Unlikely to cause sensitisation following repeated skin contact.

Unlikely to cause damage to internal organs following skin contact.

Eye Toxicity- Neat Product

Product as supplied may cause slight eye irritation. Product should be washed off with water if it comes into contact with the eyes.

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Oral Toxicity- Neat Product

If swallowed, the formulation as supplied may cause slight, transient irritation to the mouth and upper digestive tract.
Not toxic by ingestion.

Inhalation Toxicity

It is unlikely that inhalation will be a route of exposure.

TOXICOLOGICAL RISK ASSESSMENT CONCLUSION

Based on the toxicological profiles of the ingredients used in the Nanomass NTHD, their concentrations in the formulations and the mode of use of the products, it is concluded that these products pose a low level of toxicological risk. These products are considered safe for use.

End of Report

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