

**SAFETY DATA SHEET (SDS)
CleverCOAT for Textile**

Date of generation: 14.08.2017
In compliance with Regulation (EC) 1907/2006/EC

**SECTION.1. IDENTIFICATION OF THE SUBSTANCE/
PREPARATION AND OF THE COMPANY/UNDERTAKING**

1.1. Product identifier

- a. Product description: preparation of modified hybrid materials in aqueous solution for dirt repellent coating;
- b. Label print name: CleverCOAT for Textile ;
- c. Chemical Family: mixtures.

1.2. Relevant identified uses of the substance or mixture and uses advised against: for treatment home appliance and PC parts to create protective coating on these surfaces.

1.3. Details of the supplier of the safety data sheet

- a. Company name: Nanoformula LTD
- b. Street: Narva mnt.4
- c. Place: Voka, 71401, Estonia
- d. Company e-mail for SDS: info@nanoformula.eu

1.4. Emergency telephone number: 112

SECTION.2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

- a. Not classified as dangerous substance or mixture
- b. Not need notice phrase

2.2. Label elements: not need pictogram

2.3. Other hazards: no other hazards

SECTION.3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name	CAS No.	EINECS No.	Con- tent, %	Classification
				REGULATION (EC) No 1272/2008
Doesn't content dangerous components				

SECTION.4. FIRST AID MEASURES:

4.1. Description of first aid measures

- a. Eye contact: rinse immediately with plenty of water, holding the eyelids open;
- b. Skin contact: No harmful effect is detected during usual application. Take off affected clothes;
- c. Inhalation: no harmful effect is detected during usual application. Go to fresh air;
- d. Ingestion: do not induce vomiting without medical advice. If victim is conscious: rinse mouth with water.

4.2. Most important symptoms and effects, both acute and delayed

- a. Eye contact: can cause an allergic reaction;
- b. Skin, inhalation and Ingestion contact: can cause an allergic reaction;

4.3. Indication of any immediate medical attention and special treatment needed

- a. Eye contact: Seek medical advice if effects persist;
- b. Skin contact: if skin allergic persists, consult a specialist;
- c. Inhalation: consult with specialist if necessary;
- d. Ingestion: Seek medical advice if effects persist.

SECTION.5. FIREFIGHTING MEASURES

5.1. Extinguishing media: product is not a fire hazard. Use water spray, Dry chemical, Foam, Carbon dioxide (CO₂). Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations;

5.2. Special hazards arising from the substance or mixture: not determined;

5.3. Advice for firefighters: no special measures required.

SECTION.6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions: No need during usual application.

6.2. Environmental precautions: attempt all safety precautions to prevent environmental pollution.

6.3. Methods for cleaning up: For cleanup use inert adsorbent, for example wood sawdust. Leakage or spillage with sawdust collect and utilize according to local regulations.

6.4. Reference to other sections: spilled product makes slippery surface

SECTION.7. HANDLING AND STORAGE

7.1. Precautions for safe handling: use closed vessels. General ventilation is recommended.

7.2. Conditions for safe storage, including any incompatibilities: Storage in closed vessels, containers or drums under temperature under 35 centigrade degrees. Keep separately from foodstuff, drinks, fodder. Avoid solar gain.

7.3. Specific end use(s): when contact with clothing can be spots.

SECTION.8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters: not determined

8.2. Exposure controls:

a. Precautions in working area: wash hands before drink, eat, toilet. If necessary use the personal protection equipment;

b. Respiratory protection: presence sufficient ventilation;

c. Hand protection: use gloves if necessary;

d. Eye protection: avoid contacting with eyes;

e. Environmental exposure controls: Take care to avoid the contamination of watercourses and drains and inform the appropriate authority in case of accidental contamination of watercourses.

SECTION.9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Form	Fluid
Color:	slightly opaque, colorless
pH-value at 20°C:	3.0 - 5.0 (50% in water)
Melting point/Melting range:	Undetermined
Boiling point/Boiling range	> 100°C
Flash point:	Not determined
Flammability (solid, gaseous):	Not determined
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Self-igniting:	Product is not self-igniting.
Vapor pressure:	Not determined
Density at 20°C:	1.06 ± 0.03 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water:	miscible (product precipitates after days)
Segregation coefficient (n-octanol/ water):	Not determined
Viscosity: Dynamic at 20°C: Kinematic:	1 - 10 mPas Not determined.

9.2. Other information: unknown

SECTION.10. STABILITY AND REACTIVITY

10.1. Reactivity: the product is stable under normal conditions of storage, handling and use;

10.2. Chemical stability: The product is stable under normal conditions of storage, handling and use;

- 10.3. Possibility of hazardous reactions: no possibility of hazardous reactions; legislation specific for the substance or mixture:
- 10.4. Conditions to avoid: no condition to avoid;
- 10.5. Incompatible materials: no Incompatible materials;
- 10.6. Hazardous decomposition products: no hazardous decomposition products.
- SECTION.11. TOXICOLOGICAL INFORMATION
- 11.1. Information on toxicological effects: not toxic
- SECTION.12. ECOLOGICAL INFORMATION
- 12.1. Toxicity: not eco-toxicological
- 12.2. Persistence and degradability: stable
- 12.3. Bioaccumulative potential: unknown information
- 12.4. Mobility in soil: unknown information
- 12.5. Results of PBT and vPvB assessment: this product is not identified as a PBT substance
- 12.6. Other adverse effects: unknown information
- SECTION.13. DISPOSAL CONSIDERATIONS
- 13.1. Waste treatment methods: in accordance with local and national regulations.
- SECTION.14. TRANSPORT INFORMATION
- 14.1. UN number: non-hazardous
- 14.2. UN proper shipping name: non-hazardous
- 14.3. Transport hazard class(es): non-hazardous
- 14.4. Packing group: non-hazardous
- 14.5. Environmental hazards: non-hazardous
- 14.6. Special precautions for user: see section 7.
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: see section 7.
- 14.8. Railway (RID), Surface transport (ADR), Sea (IMDG), Air (OACI) transport: non-hazardous
- SECTION.15. REGULATORY INFORMATION
- 15.1. Safety, health and environmental regulations/
- a. Regulation (EC) No 1907/2006 – REACH of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency.
- b. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- c. COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- d. EV Kemikaalseadus ja nende alusel kehtestatud määrused.
- e. EV Jäätmeseadus ja nende alusel kehtestatud määrused
- 15.2. Chemical safety assessment: chemical safety assessment is prepared according to COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010.
- SECTION.16. OTHER INFORMATION
- 16.1. Further information: user's manual presents in label and producer's site.
- 16.2. Additional information: the information provided in this Safety Data Sheet is result of careful testing and knowledge of NANOFORMULA LTD.
- 16.3. This information helps provide safe work and belief at the date of its publication. The given information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. We hope that this document will be useful and will be appreciated if receive additional information about safe work with it