



Nanoformula OÜ
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SAFETY DATA SHEET (SDS)
CleverCOAT for Textile
Date of generation: 12.04.2016
In compliance with Regulation (EC) 1907/2006/EC

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Product description **Preparation of modified hybrid materials in aqueous solution for dirt repellent coating**
Label print name: **CleverCOAT for Textile**
Chemical Family: **Mixtures**

1.2. Relevant identified uses of the substance or mixture and uses advised against: **For super hydrophobic protection of the paper, textile and leather**

1.3. Details of the supplier of the safety data sheet

Company name **Nanoformula LTD**
Street: **Narva mnt.4**
Place: **Voka, 71401, Estonia**
Company telephone (during working hours only): **+372 39 71305**
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
Not classified as dangerous substance or mixture
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

3.2. Mixtures

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Eye contact: **Rinse immediately with plenty of water, holding the eyelids open.**
Skin contact: **No harmful effect is detected during usual application. Take off affected clothes.**
Inhalation: **No harmful effect is detected during usual application. Go to fresh air.**
Ingestion: **May queasy, celiacgia. Rinse mouth with water. Drink much water. No retch.**

4.2. Most important symptoms and effects, both acute and delayed
Eye contact: **Can cause an allergic reaction**
Skin, inhalation and Ingestion contact: **Can cause an allergic reaction**

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

- Eye contact: **Seek medical advice if effects persist.**
Skin contact: **If skin allergic persists, consult a specialist.**
Inhalation: **Consult with specialist if necessary**
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:

Precautions in working area.

Wash hands before drink, eat, toilet. If necessary use the personal protection equipment

Respiratory protection:

Presence sufficient ventilation.

Hand protection:

Use gloves if necessary.

Eye protection:

Avoid contacting with eyes.

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
Colour:	slightly opaque, colorless
Odour:	nearly odorless
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 selfigniting.
Self-igniting:	Alcohol, Ether, Acetone
Vapor pressure:	Not determined
Density at 20°C:	1.06 ± 0.03 g/cm³
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:	1 - 10 mPas
Kinematic:	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

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 ecotoxicological

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



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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/legislation specific for the substance or mixture:
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

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
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)

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15.2. Chemical safety assessment:

Chemical safety assessment is prepare according to COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010

SECTION 16: OTHER INFORMATION

Further information: User's manual presents in label and producer's site

Additional information: The information provided in this Safety Data Sheet is result of careful testing and knowledge of NANOFORMULA LTD.

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 appreciate if receive additional information about safe work with it