

**SAFETY DATA SHEET (SDS)
CleverCOAT wood premier**

Date of generation: 11.12.2018
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 wood protection;
- b. Label print name: CleverCOAT wood 1 ;
- c. Chemical Family: mixtures.

1.2. Relevant identified uses of the substance or mixture and uses: first step product of two steps protection: for wood protection with waterproofing effect, clean effect and increasing durability of the wood surfaces. Effective protection against microbiota, fouling, algae, spores, fungi, wood decay and harmful insects.

1.3. Details of the supplier of the safety data sheet:

- a. company name: Nanoformula LTD;
- b. street: Narva mnt.4;
- c. place: Voka, 41701, Estonia;
- d. company e-mail for SDS: nfo@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.	Content, %	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: wash the skin with soap and water.
- c. Inhalation: no harmful effect is detected during usual application. Go to fresh air;
- d. Ingestion: Rinse mouth with water. Drink much water. No retch.

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: Wear protective gloves and protective clothes (see section 8).

6.2. 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. 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: use the personal protection equipment. Wash hands before drink, eat, toilet. ;

b. Respiratory protection: presence sufficient ventilation;

c. Hand protection: use protective gloves;

d. Eye protection: avoid contacting with eyes. Wear close fitting goggles or a face visor if there is a risk of splashing;

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	Thyrotropic water fluid with prone to gelling. Gel easy goes to fluid back by shaking.
Color	Transparent milky liquid or brown liquid (if natural dye is added)
Odor	Odorless
pH-value at 20°C	9.0 - 10.5 (50% in water)
Silica components as SiO ₂ , %	2-5
Potash (Potassium carbonate), %	2-5
Natural dye substance, %	0 - 0.8
Viscosity, cSt	35 - 50
Melting point/Melting range:	Undetermined
Boiling point/Boiling range	> 100°C
Flash point:	Not determined
Flammability (solid, gaseous):	Not determined
Volatile organic compound (VOC), g/l	kat A/f containing 0
Decomposition temperature	Not determined
Self-igniting	Product is not self-igniting.
Vapor pressure:	as aqueous solutions
Density at 20°C, g/cm ³	1.05 - 1.10
Solubility in water	In any ratio
Specific surface area, m ² /g	200 - 250

Surface area, m ² /g, via BET	200 - 300
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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 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 MAR-POL73/78 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:

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, labeling 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, Authorization and Restriction of Chemicals (REACH).

d. EV Kemikaaliseadus 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



Nanoformula OÜ

Reg. No. 10045133. 41701, Narva mnt.,4, Voka, Estonia

Phone: + 372(39)71305, Fax:+372(39)71303

<http://www.nanoformula.eu>, email: info@nanoformula.eu

specification. We hope that this document will be useful and will be appreciate if receive additional information about safe work with it