



Nanoformula OÜ
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SAFETY DATA SHEET (SDS)

Bento-01

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 **Gel in linseed oil**
Label print name: **Bento-01**
Chemical Family: **Linseed oil**

1.2. Relevant identified uses of the substance or mixture and uses advised against: **Additive in linseed oil for improving water resistant property and UV protection**

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: **Foam, dry chemical or carbon dioxide. Never use water**
- 5.2. Special hazards arising from the substance or mixture: **Burning may release oxides of carbon and other hazardous gases or vapors. - including acrolein vapor.**
- 5.3. Advice for firefighters: **Fire fighters should wear self-contained breathing apparatus. No special measures required. Vessels and containers with product near an open fire must be enough cooled by flush on safe distance.**

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions: **No need during usual application.**
- 6.2. Environmental precautions: **Use appropriate container to avoid environmental contamination. Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. If the product contaminates rivers and lakes or drains inform respective authorities.**
- 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. Any material used for removed leaks can ignite spontaneously. Keep this material under water or in closed metal container.**
- 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 30 centigrade degrees. The fine-dispersed sprays inclination to burn when contact with air. Storage in well ventilation space. Avoid the solar heating**
- 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:

Appearance	Gel(under 20 °C, brownish color) with natural odor
Vapor pressure, kPa (20 °C), max	1
Boiling point, °C, min	250
Melting point, °C, max	0
Relative density, g/cm ³	0,960-0,990
Viscosity, cSt	70-100
Flash point, °C	100
Auto-ignition point, °C	300
Solubility	Alcohols, hexane

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:

Heating more 250°C. If absorbent or clothes absorbs products necessary storage them in fire safe place (may be combustion) . The spikes also may be reason of a combustion. When product contact with oxidant may be created explosive matter.

10.5. Incompatible materials:

No Incompatible materials

10.6. Hazardous decomposition products:

When contact with avoid materials it may release: hydrogen, organic acids and silica dioxide in small quantity.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

LD 50 (oral/rat)> 4790 mg / kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

LD 50/96 h/fish = 198 mg/l

Bacteria: EC10 (Pseudomonas putida); 9000mg/l. Long-lasting health hazard: In normal use, the health hazards arise.

12.2. Persistence and degradability:

Easy biodegradated

12.3. Bioaccumulative potential:

No data available

12.4. Mobility in soil:

No data available

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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EV Jäätmeseadus ja nende alusel kehtestatud määrused

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