SAFETY DATA SHEET (SDS)
CleverCLEAN for Bathroom and Toilet

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: homogeneous mixture of the oligo hydroxy siloxanes with composition of the nano sized inorganic metal oxides;

b. Label print name: CleverCLEAN for Bathroom and Toilet;

c. Chemical Family: alkyl silicate.

1.2. Relevant identified uses of the substance or mixture and uses advised against: For sanitary ware surfaces to create hydrophobic salt spot protective coating.

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. Irritant action: eye irritant;

2.2. Label elements:

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>EINECS No.</th>
<th>Content, %</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly Ethyl silicate REACH Pre-Registration Number 17-2119437460-46-0000</td>
<td>11099-06-2</td>
<td>234-324-0</td>
<td>70,0 – 90,0</td>
<td>Eye Irrit. 2; H319</td>
</tr>
</tbody>
</table>

hexyl cinnamic aldehyd, linalol Mixture < 0,01 Eye Irrit. 2; H319

2.3. Other hazards: may cause an allergic reaction;

SECTION.3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

SECTION.4. FIRST AID MEASURES:

4.1. Description of first aid measures:

a. Eye contact: flush/irrigate eyes with copious amounts of water for at least 15 minutes. Keep eye wide open while rinsing;

b. Skin contact: wash off with soap and plenty of water;

c. Inhalation: move 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 causes serious eye irritation;

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: if eye irritation persists, consult a specialist;

b. Skin contact: if skin irritation persists, consult a specialist;

c. Inhalation: consult with specialist if necessary;

d. Ingestion: obtain medical attention.
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: use standard fire-fighting equipment.

SECTION.6.  ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions: use personal protective equipment. Refer to protective measures listed in sections 8.

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.

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. Recommended general ventilation for containers with volume from 20L to 200L.

7.2. Conditions for safe storage, including any incompatibilities: storage in closed vessels, containers or drums. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Storage at temperature under 30 C and avoid the solar heating.

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

SECTION.8.  EXPOSURE CONTROLS/PERSOAL 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: if necessary use the chemical gloves;
   d. Eye protection: avoid contacting with eyes. Use chemically resistant gloves if required;
   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:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>From milk oily liquid</td>
</tr>
<tr>
<td>Vapor Density, air = 1</td>
<td>not determined</td>
</tr>
<tr>
<td>Volatility,%</td>
<td>not determined</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>not determined</td>
</tr>
<tr>
<td>Boiling point, 0C min</td>
<td>197</td>
</tr>
<tr>
<td>Melting point, 0C max</td>
<td>-55</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not determined</td>
</tr>
<tr>
<td>Viscosity, cSt</td>
<td>15-25</td>
</tr>
<tr>
<td>Specific Gravity, g/cm3</td>
<td>1,010-1,048</td>
</tr>
<tr>
<td>Flash point, 0C, min</td>
<td>not determined</td>
</tr>
<tr>
<td>Auto ignition Temp., 0C, min</td>
<td>not determined</td>
</tr>
<tr>
<td>Solubility</td>
<td>Alcohol, Ether, Acetone</td>
</tr>
</tbody>
</table>

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: gas can be released under heating;
10.4. Conditions to avoid: contact with oxidizers, salt solutions, alcohols and noble metals salts. These materials may be as catalysts for oligomer polymerization with release the hydrogen gas;

10.5. Incompatible materials: oxidizers, salts;


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: forms insoluble inert matter, 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


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:


d. EV Kemikaaliseadus ja nende alusel kehtestatud määrused.

e. EV Jäätmeseadus ja nende alusel kehtestatud määrused


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 appreciate if receive additional information about safe work with it