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SAFETY DATA SHEET (SDS)
CleverCOAT for Car Exterior
Date of generation: 28.12.2022
In compliance with Regulation (EC) 1907/2006/EC

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

1.1. Product identifier

1.1.1. Product description: homogeneous mixture of the oligo ethoxy siloxanes with not fixed structure, iso-propanol and composition of the nano sized inorganic metal oxides.

1.1.2. Label print name: CleverCOAT for Car Exterior.

1.1.3. Chemical Family: alkyl silicate.

1.1.4. Relevant identified uses of the substance or mixture and uses advised against: for treatment car exterior to create protective coating on surfaces.

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

1.2.1. Company name: Nanoformula LTD.

1.2.2. Street: Narva mnt.4.

1.2.3. Place: Voka, 41701, Estonia.

1.2.4. Company e-mail for SDS: nfo@nanoformula.eu.

1.3. Emergency telephone number: 112

SECTION.2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

2.1.1. Irritant action: eye irritant.

2.2. Label elements:

Warning

H319 Causes serious eye irritation
P305 +P351 +P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P313 Get medical advice/attention.
P102 Keep out of reach of children.

2.3. Other hazards: may cause an allergic reaction.

SECTION.3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

Name	CAS No.	EINECS No.	Con-tent, %	Classification REGULATION (EC) No 1272/2008
Poly Ethyl silicate REACH Pre-Registration Number 17-2119437460-46-0000	11099-06-2	234-324-0	50,0 – 80,0	Eye Irrit. 2. H319
Hexyl Cinnamic Aldehyde,Lilial	Mixture		< 0,01	Eye Irrit. 2. H319

SECTION.4. FIRST AID MEASURES:

4.1. Description of first aid measures:

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

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

4.1.3. Inhalation: move to fresh air.

4.1.4. 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:

4.2.1. Eye contact: can causes serious eye irritation.

4.2.2. Skin, inhalation and Ingestion contact: can cause an allergic reaction.

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

4.3.1. Eye contact: if eye irritation persists, consult a specialist.

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

4.3.3. Inhalation: consult with specialist if necessary.

4.3.4. 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/PERSONAL PROTECTION

8.1. Control parameters: not determined.

8.2. Exposure controls:

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

8.2.2. Respiratory protection: presence sufficient ventilation.

8.2.3. Hand protection: if necessary use the chemical gloves.

8.2.4. Eye protection: avoid contacting with eyes. Use chemically resistant gloves if required.

8.2.5. 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	Milk color oily liquid
Vapor Density, air = 1	not determined.
Volatility,%	not determined.
Molecular weight	not determined.
Boiling point, ^{0}C min.	197
Melting point, ^{0}C max	-55
Evaporation rate	not determined.
Viscosity, cSt	15-25
Specific Gravity, g/cm^3	1,086-1,120
Flash point, ^{0}C, min	not determined.
Auto ignition Temp., ^{0}C,min	not determined.
Solubility	Alcohol, Ether, Acetone

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 re-

leased 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.

10.6.Hazardous decomposition products: hydrogen gas by reacting with salts and oxidizers.

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

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:

15.1.1. 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.

15.1.2. 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.

15.1.3. 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).

15.1.4. EV Kemikaaliseadus ja nende alusel kehtestatud määrused.

15.1.5. 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

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