

SAFETY DATA SHEET

Nano Shampoo

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Nano Shampoo
UFI UFI: 2S20-00M1-N00A-05GW
Product number 136101

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses High foam shampoo combines washing and protection of the car's paintwork.

1.3. Details of the supplier of the safety data sheet

Supplier BCG Turkey Kimya A.Ş.
Karamahmet Mahallesi, Avrupa Serbest Bölgesi 11. Sokak No:5, Ergene, 59930 Tekirdağ
Tel: 90 (282) 691 10 05
www.bcg-turkiye.com
Contact person info@bcg-turkiye.com

1.4. Emergency telephone number

Emergency telephone BCG Türkiye: 90 (282) 691 10 05

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified
Health hazards Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards Aquatic Chronic 3 - H412
Additional information Classification (Regulation (EC) No. 1272/2008).

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements EUH208 Contains Butanedione. May produce an allergic reaction.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P102 Keep out of reach of children.
P260 Do not breathe vapour/ spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/ container in accordance with national regulations.

Contains Alcohols, C12-18, ethoxylated, Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides, Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides, Sodium hydroxide

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Detergent labelling 15 - < 30% cationic surfactants
5 - < 15% non-ionic surfactants
methylchloroisothiazolinone and methylisothiazolinone

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Alcohols, C12-18, ethoxylated CAS number: 68213-23-0 EC number: 500-201-8	10-20%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides CAS number: 68424-95-3 EC number: 270-331-5 M factor (Acute) = 1	5-15%
Classification Acute Tox. 3 - H301 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	
Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides CAS number: 61789-77-3 EC number: 263-087-6 M factor (Acute) = 1	1-5%
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	
propan-2-ol CAS number: 67-63-0 EC number: 200-661-7	<3%
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	

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Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Maintain an open airway. Get medical attention.
Skin contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Chemical burns must be treated by a physician.
Eye contact	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Severe irritation of nose and throat. Symptoms following overexposure may include the following: Corrosive to the respiratory tract.
Ingestion	May cause chemical burns in mouth, oesophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting.
Skin contact	Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up. Severe corrosive hazard. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
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Special protective equipment for firefighters Regular protection may not be safe. Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment. Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. This product is corrosive. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. This product is corrosive. Immediate first aid is imperative. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Store away from the following materials: Acids.

Storage class Non-combustible corrosive hazardous substances

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits
propan-2-ol

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

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Sodium hydroxide

Short-term exposure limit (15-minute): WEL 2 mg/m³

isopentyl acetate

Long-term exposure limit (8-hour TWA): OEL- European Union [1] 270 mg/m³ 50 ppm

Short-term exposure limit (15-minute): OEL- European Union [1] 540 mg/m³ 100 ppm

Diphenyl oxide

Long-term exposure limit (8-hour TWA): WEL 1 ppm 7.1 mg/m³ vapour

WEL = Workplace Exposure Limit.

Alcohols, C12-18, ethoxylated (CAS: 68213-23-0)

DNEL

Workers - Inhalation; Long term systemic effects: 294 mg/m³

Workers - Dermal; Long term systemic effects: 2080 mg/kg/day

General population - Inhalation; Long term systemic effects: 87 mg/m³

General population - Dermal; Long term systemic effects: 1250 mg/kg/day

General population - Oral; Long term systemic effects: 25 mg/kg/day

PNEC

Fresh water; 0.048 mg/l

Fresh water, Intermittent release; 0.004 mg/l

marine water; 0.048 mg/l

STP; 10 g/l

Sediment (Freshwater); 292 mg/kg

Sediment (Marinewater); 292 mg/kg

Soil; 1 mg/kg

propan-2-ol (CAS: 67-63-0)

DNEL

Workers - Inhalation; Long term systemic effects: 500 mg/m³

Workers - Inhalation; Short term systemic effects: 1000 mg/m³

Workers - Dermal; Long term systemic effects: 888 mg/kg/day

General population - Inhalation; Long term systemic effects: 89 mg/m³

General population - Inhalation; Short term systemic effects: 178 mg/m³

General population - Dermal; Long term systemic effects: 319 mg/kg/day

General population - Oral; Long term systemic effects: 26 mg/kg/day

General population - Oral; Short term systemic effects: 51 mg/kg/day

Sodium hydroxide (CAS: 1310-73-2)

DNEL

Workers - Inhalation; Long term local effects: 1 mg/m³

General population - Inhalation; Long term local effects: 1 mg/m³

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

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Hand protection	Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used.
Environmental exposure controls	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pink.
Odour	Berries.
Odour threshold	No information available.
pH	pH (concentrated solution): 8.0
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	5-3000 cp

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Explosive properties No information available.

Oxidising properties No information available.

Particle characteristics Not applicable.

9.2. Other information

Other information No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Corrosive gases or vapours.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

Notes (oral LD₅₀) Harmful if swallowed.

ATE oral (mg/kg) 696.44

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation Corrosivity to eyes is assumed.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

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Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity

Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

11.2. Information on other hazards

Information on other hazards This product does not contain any known or suspected endocrine disruptors.

Toxicological information on ingredients.

Alcohols, C12-18, ethoxylated

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides

Acute toxicity - oral

ATE oral (mg/kg) 100.0

Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides

Acute toxicity - oral

ATE oral (mg/kg) 500.0

propan-2-ol

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 5840 mg/kg, Oral, Rat (OECD Test Guideline 401)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 13900 mg/kg, Dermal, Rabbit (OECD 402)

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ 25 mg/l, Inhalation, Rat 4 hours (OECD 403)

Skin corrosion/irritation

Animal data

Slightly irritating.
Rabbit 4 hour (OECD 404)

Serious eye damage/irritation

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Serious eye damage/irritation	Causes eye irritation. Rabbit (OECD 405)
Respiratory sensitisation	
Respiratory sensitisation	Guinea pig: Not sensitising. Buehler test (OECD 406)
Germ cell mutagenicity	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative without metabolic activation., Negative with metabolic activation. (OECD 471) Gene mutation, Mammalian Cell Line: Negative without metabolic activation., Negative with metabolic activation. (OECD 476) intraperitoneal., Mouse: Negative. (OECD Guideline 474)
Carcinogenicity	
Carcinogenicity	104 week, Inhalation, Vapour, Rat, Female, Male 6 hour, -, day 5 day, -, week OECD 451
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
Reproductive toxicity	
Reproductive toxicity - fertility	One-generation study - NOAEL 853 mg/kg, Oral, Rat P OECD Guideline 415 (One-Generation Reproduction Toxicity Study) Two-generation study - NOAEL 500 mg/kg, Oral, Rat P (OECD Guideline 416) Two-generation study - NOAEL 1000 mg/kg, Oral, Rat F1 (OECD Guideline 416)

Sodium hydroxide

Acute toxicity - oral	
Notes (oral LD₅₀)	LD ₅₀ 325 mg/kg, Oral, Rabbit

Butanedione

Acute toxicity - oral	
ATE oral (mg/kg)	500.0
Acute toxicity - inhalation	
ATE inhalation (vapours mg/l)	3.0

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Acute toxicity - oral	
Notes (oral LD₅₀)	LD ₅₀ 53 mg/kg, Oral, Rat
ATE oral (mg/kg)	100.0
Acute toxicity - dermal	
ATE dermal (mg/kg)	50.0
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	LC50 0.31 mg/l, 4 hour, Dust/Mist Rat
ATE inhalation (vapours mg/l)	0.5
ATE inhalation (dusts/mists mg/l)	0.05

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

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Alcohols, C12-18, ethoxylated

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hour: 0.876 mg/l, EC ₂₀ , 30 day: 0.86 mg/l,
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hour: 2.7 mg/l, Daphnia magna EC ₂₀ , 21 day: 0.469 mg/l, Daphnia magna

Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

propan-2-ol

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 10000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₁₀ , 7 day: 1800 mg/l, Algae
Acute toxicity - microorganisms	EC ₁₀ , 16 hour: 1050 mg/l, Pseudomonas putida

Sodium hydroxide

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 45.6 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 96 hour: 196 mg/l, Marinewater fish LC ₅₀ , 96 hour: 125 mg/l, Freshwater fish, Western mosquitofish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 96 hours: 33-100 mg/l, Daphnia magna EC ₅₀ , 2 day: 40,4 mg/l, Daphnia magna

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOEC, 4 day: 56 mg/l, Marinewater fish
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Diphenyl oxide

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
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According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

M factor (Acute)	100
Acute toxicity - fish	EC ₅₀ , 96 hour: 14.6 mg/l,
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hour: 6.67 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hour: 3.23 mg/l, Algae
Chronic aquatic toxicity	
M factor (Chronic)	100
NOEC-Aquatic Invertebrates	0.035 mg/l (Daphnia sp.)

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known. Expected to be readily biodegradable.

Ecological information on ingredients.

Alcohols, C12-18, ethoxylated

Persistence and degradability	The substance is readily biodegradable. > 60 % BOI, 30 day Aerobic. (OECD 301D)
Biodegradation	Air, Aerobic - Degradation 93%: 28 day

propan-2-ol

Persistence and degradability The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation. The product does not contain any substances expected to be bioaccumulating.

Partition coefficient No information available.

Ecological information on ingredients.

Alcohols, C12-18, ethoxylated

Bioaccumulative potential No potential for bioaccumulation. Bioaccumulation is unlikely.

propan-2-ol

Bioaccumulative potential	Low potential.
Partition coefficient	log Kow: <3
Bioconcentration factor (BCF)	1.015 L/kg.

Sodium hydroxide

Bioaccumulative potential No potential for bioaccumulation.

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Partition coefficient log Kow: -0.71 - 0.75

12.4. Mobility in soil

Mobility No data available. The product is water soluble and spreads in the soil in this way.

Ecological information on ingredients.

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propan-2-ol

Mobility The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties The product does not contain any endocrine disrupting substance.

12.7. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

Waste class 20 01 29* Detergents containing dangerous substances

SECTION 14: Transport information

14.1. UN number or ID number

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760
UN No. (ADN)	1760

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, N.O.S. (CONTAINS Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides, Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides)
Proper shipping name (IMDG)	CORROSIVE LIQUID, N.O.S. (CONTAINS Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides, Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides)
Proper shipping name (ICAO)	CORROSIVE LIQUID, N.O.S. (CONTAINS Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides, Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides)
Proper shipping name (ADN)	CORROSIVE LIQUID, N.O.S. (CONTAINS Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides, Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides)

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C9
ADR/RID label	8

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IMDG class 8

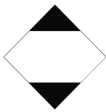
ICAO class/division 8

ADN class 8

Transport labels



Transport additional labels



Limited quantity

14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ADN packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS F-A, S-B

ADR transport category 2

Emergency Action Code 2X

Hazard Identification Number
(ADR/RID) 80

Tunnel restriction code (E)

Limited quantities (ADR) 1 L

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk
according to IMO instruments Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EH40/2005 Workplace exposure limits.
Commission Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
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 (as amended).
Commission Regulation (EU) 2020/878 of 18 June 2020.
The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Nano Shampoo

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

Authorisations (SI 2020 No. 1577 Annex XIV) and REACH 1907/2006, Annex XIV No specific authorisations are known for this product.

Restrictions (SI 2020 No. 1577 Annex XVII) and REACH 1907/2006, Annex XVII No specific restrictions on use are known for this product.

Seveso Directive - Control of major accident hazards Not relevant.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC50: Lethal Concentration to 50 % of a test population.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations and acronyms Acute Tox. = Acute toxicity
Eye Dam. = Serious eye damage
Skin Corr. = Skin corrosion
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data Source: European Chemicals Agency, <http://echa.europa.eu/> This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect prepared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.

Classification procedures Acute Tox. 4 - H302: Eye Dam. 1 - H318: Skin Corr. 1B - H314: : Calculation method. Aquatic Chronic 3 - H412: : Calculation method.

Revision comments This is the first issue.

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Nano Shampoo

Commission Regulation (EU) 2020/878 of 18 June 2020.

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed or if inhaled.
EUH208 Contains Butanedione. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.