

**Trade name:** NanoMagicShampoo**Product no.:** 433999US**Current version :** 1.1.0, issued: 24.09.2020**Replaced version:** 1.0.1, issued: 09.09.2020**Region:** USA**SECTION 1: Identification****1.1 Product identifier**

Trade name

**NanoMagicShampoo****1.2 Recommended use of the chemical and restrictions on use****Recommended use of the chemical and restrictions on use**  
Cleaner**Restrictions on use**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**Koch-Chemie GmbH  
Einsteinstr. 42  
D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

**1.4 Emergency phone number**

(+1) 202 464 2554

**SECTION 2: Hazard(s) identification****2.1 Classification of the chemical****Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication"**

Serious Eye Damage - Category 1

Skin Corrosion / Irritation - Category 2

**Classification of the chemical with regard to hazards for the aquatic environment in accordance with the UN GHS criteria relevant for dangerous goods transport classification**

Aquatic Chronic - Category 2

**2.2 Label elements****Pictogram(s)****Signal word**

Danger

**Hazard Statement(s)**

Health hazards

Causes skin irritation

Causes serious eye damage

**Precautionary Statement(s)**

Prevention

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

Specific treatment (see first aid instruction on this label).

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

**2.3 Labelling information**

No data available

**2.4 Hazards not otherwise classified (HNOC)**

No data available

**SECTION 3: Composition / information on ingredients****3.1 Substances**

Trade name: NanoMagicShampoo

Product no.: 433999US

Current version : 1.1.0, issued: 24.09.2020

Replaced version: 1.0.1, issued: 09.09.2020

Region: USA

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

No	Substance name	Concentration	%
	<b>CAS no.</b>		
1	<b>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts</b>		
	61789-40-0	>= 10.00 - < 25.00	%-b.w.
2	<b>2-butoxyethanol</b>		
	111-76-2	>= 5.00 - < 10.00	%-b.w.
3	<b>Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)</b>		
	68155-07-7	< 5.00	%-b.w.
4	<b>Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates</b>		
	1335203-21-8	< 2.50	%-b.w.
5	<b>Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated</b>		
	102782-92-3	< 2.50	%-b.w.

**SECTION 4: First-aid measures****4.1 Description of necessary first-aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

**After inhalation**

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

**After skin contact**

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

**After eye contact**

Remove contact lens. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

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

No data available.

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

No data available.

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Product itself is non-combustible; use fire extinguishing measures in surrounding areas as necessary.

**Unsuitable extinguishing media**

Full water jet

**5.2 Specific hazards arising from the chemical**

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Sulfur oxides (S<sub>x</sub>O<sub>y</sub>); Nitrogen oxides (NO<sub>x</sub>)

**5.3 Special protective equipment and precautions for fire-fighters**

Use self-contained breathing apparatus. Wear full protective suit. Do not allow run-off from fire fighting to enter drains or water courses.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing.

**For emergency responders**

Personal protective equipment (PPE) - see Section 8.

Trade name: NanoMagicShampoo

Product no.: 433999US

Current version : 1.1.1.0, issued: 24.09.2020

Replaced version: 1.0.1, issued: 09.09.2020

Region: USA

**6.2 Methods and materials for containment and cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Precautions for safe handling**

Risks inherent to handling the product must be minimised by applying appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Hold emergency shower available. Provide eye wash fountain in work area.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original.

**Incompatible products**

Substances to be avoided: see chapter 10.

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Occupational exposure limit(s)**

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2
<b>ACGIH Threshold Limit Values</b>		
2-Butoxyethanol		
	TWA	20 ppm
	Remarks	A3; BEI
<b>OSHA Permissible Exposure Limits (PELS)</b>		
2-Butoxyethanol		
	TWA	240 mg/m <sup>3</sup> 50 ppm

**8.2 Exposure controls****Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the PEL (=Permissible Exposure Limit), suitable respiratory protection must be worn.

**Individual protection measures, such as personal protective equipment****Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. If ventilation insufficient, use a respiratory protection apparatus.

Respirator A

**Eye / face protection**

Tightly fitting safety glasses

**Hand protection**

Sufficient protection is given wearing suitable protective gloves in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material butyl  
Material thickness > 0.5 mm  
Breakthrough time > 120 min

**Other protection measures**

**Trade name:** NanoMagicShampoo**Product no.:** 433999US**Current version :** 1.1.0, issued: 24.09.2020**Replaced version:** 1.0.1, issued: 09.09.2020**Region:** USA

Chemical-resistant work clothes.

**SECTION 9: Physical and chemical properties**

<b>Form/Color</b>
No data available
<b>Odor</b>
No data available
<b>Odor threshold</b>
No data available
<b>pH value</b>
No data available
<b>Boiling point / boiling range</b>
No data available
<b>Melting point / melting range</b>
No data available
<b>Decomposition point / decomposition range</b>
No data available
<b>Flash point</b>
No data available
<b>Auto-ignition temperature</b>
No data available
<b>Oxidising properties</b>
No data available
<b>Explosive properties</b>
No data available
<b>Flammability (solid, gas)</b>
No data available
<b>Lower flammability or explosive limits</b>
No data available
<b>Upper flammability or explosive limits</b>
No data available
<b>Vapor pressure</b>
No data available
<b>Vapor density</b>
No data available
<b>Evaporation rate</b>
No data available
<b>Relative density</b>
No data available
<b>Density</b>
No data available
<b>Solubility in water</b>
No data available
<b>Solubility(ies)</b>
No data available
<b>Partition coefficient: n-octanol/water</b>
No data available
<b>Viscosity</b>
No data available
<b>Other information</b>
<b>Other information</b>
No data available.

**SECTION 10: Stability and reactivity**

Trade name: NanoMagicShampoo

Product no.: 433999US

Current version : 1.1.0, issued: 24.09.2020

Replaced version: 1.0.1, issued: 09.09.2020

Region: USA

**10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions(See section 7).

**10.3 Possibility of hazardous reactions**

Dangerous reactions are not to be expected when handling product according to its intended use.

**10.4 Conditions to avoid**

None, if handled according to intended use.

**10.5 Incompatible materials**

No data available.

**10.6 Hazardous decomposition products**

None, if handled according to intended use.

**SECTION 11: Toxicological information****Information on toxicological effects**

<b>Acute oral toxicity (result of the ATE calculation for the mixture)</b>	
Remarks	The result of the applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3 is outside the values that imply a classification / labelling of this mixture according to table A.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

<b>Acute oral toxicity</b>			
No	Substance name	CAS no.	
1	2-butoxyethanol	111-76-2	
LD50		1414	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

<b>Acute dermal toxicity (result of the ATE calculation for the mixture)</b>	
Remarks	The result of the applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3 is outside the values that imply a classification / labelling of this mixture according to table A.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

<b>Acute dermal toxicity</b>	
No data available	

<b>Acute inhalational toxicity (result of the ATE calculation for the mixture)</b>	
Remarks	The result of the applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3 is outside the values that imply a classification / labelling of this mixture according to table A.1.1 defining the respective categories ( (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

<b>Acute inhalational toxicity</b>			
No	Substance name	CAS no.	
1	2-butoxyethanol	111-76-2	
LC50		2.56	mg/l
Duration of exposure		4	h
State of aggregation	mist		
Species	rat		
Method	OECD 403		
Source	ECHA		

<b>Skin corrosion/irritation</b>	
No data available	

<b>Serious eye damage/irritation</b>	
No data available	

<b>Respiratory or skin sensitisation</b>	
No data available	

Trade name: NanoMagicShampoo

Product no.: 433999US

Current version : 1.1.0, issued: 24.09.2020

Replaced version: 1.0.1, issued: 09.09.2020

Region: USA

**Germ cell mutagenicity**

No data available

**Reproduction toxicity**

No data available

**Carcinogenicity**

No data available

**NTP Report on Carcinogens (RoC)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).

**OSHA Standards listing cancer as a health effect (Table VII.6.2)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as carcinogenic.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

The product contains following substance(s) classified by the IARC Monographs

No	Substance name	CAS no.	Group
1	2-butoxyethanol	111-76-2	3

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration hazard**

No data available

**SECTION 12: Ecological information****12.1 Toxicity****Toxicity to fish (acute)**

No data available

**Toxicity to fish (chronic)**

No data available

**Toxicity to Daphnia (acute)**

No data available

**Toxicity to Daphnia (chronic)**

No data available

**Toxicity to algae (acute)**

No data available

**Toxicity to algae (chronic)**

No data available

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Other adverse effects**

No data available.

**12.6 Other information****Other information**

Do not discharge into the drains or waters and do not store on public depositories.

**SECTION 13: Disposal considerations****13.1 Disposal considerations****Product**

Dispose in accordance with federal, state and local regulations.

**Trade name:** NanoMagicShampoo**Product no.:** 433999US**Current version :** 1.1.0, issued: 24.09.2020**Replaced version:** 1.0.1, issued: 09.09.2020**Region:** USA**Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in accordance with federal, state and local regulations.

**SECTION 14: Transport information****14.1 US DOT (Department of Transportation)**

The product is not subject to DOT regulations.

**14.2 Transport IMDG**

Class	9
Packaging group	III
UN number	UN3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Danger releasing substance	Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates
EmS	F-A, S-F
Label	9
Marine pollutant mark	Symbol "fish and tree"

**14.3 Transport ICAO-TI / IATA**

Class	9
Packaging group	III
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance	Imidazolium compounds, 2-C17-unsatd.-alkyl-1-(2-C18-unsatd. amidoethyl)-4,5-dihydro-N-methyl, Me sulfates
Label	9
Environmentally hazardous substance mark	Symbol "fish and tree"

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not relevant

**SECTION 15: Regulatory information****15.1 US Federal Regulations****Toxic Substances Control Act (TSCA)**

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA Inventory or are exempted from notification requirements.

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)**

The product contains following substance(s) that are considered being subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities"

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)**

The product contains following substance(s) that are considered being "Hazardous Air Pollutants".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Substances".

**EPCRA SARA Section 313, Toxic Chemical Release Inventory**

The product contains following substance(s) that are considered being subject to "SARA Reporting".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304**

Trade name: NanoMagicShampoo

Product no.: 433999US

Current version : 1.1.0, issued: 24.09.2020

Replaced version: 1.0.1, issued: 09.09.2020

Region: USA

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to reporting requirements.

**Clean Air Act (CAA) - Section 602 Ozone depleting substances**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as ozone depleting substance.

**15.2 US State Regulations****Pennsylvania State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**New Jersey State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**Massachusetts State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**Right to Know - California State - Proposition 65**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Substances".

**SECTION 16: Other information, including date of preparation or last revision****16.1 Other information**

No data available.

**16.2 Date of preparation/revision of the SDS**

Current version	1.1.0	24.09.2020
Replaced version	1.0.1	09.09.2020

**16.3 Department issuing safety data sheet**

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

**16.4 Conclusions**

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not, however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 765360

**16.5 Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists  
 ATE – Acute Toxicity Estimate  
 BOD - Biochemical Oxygen Demand  
 CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania  
 CAS - Chemical Abstracts Service  
 CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
 CFR - Code of Federal Regulations (US)  
 CLP - Classification, Labelling, and Packaging  
 DOT - Department of Transportation Commission  
 ECHA – European Chemicals Agency  
 EC / EL – Effective Concentration / Effective Loading  
 EPA - Environmental Protection Agency  
 IARC - International Agency for Research on Cancer  
 IATA - International Air Transport Association  
 IBC – Intermediate Bulk Container  
 ICAO - International Civil Aviation Organization  
 IDL - Ingredient Disclosure List  
 IDLH - Immediately Dangerous to Life and Health



---

**Trade name:** NanoMagicShampoo

**Product no.:** 433999US

**Current version :** 1.1.0, issued: 24.09.2020

**Replaced version:** 1.0.1, issued: 09.09.2020

**Region:** USA

---

IMDG - International Maritime Dangerous Goods  
IUCLID - International Uniform Chemical Information Database  
Kow - Octanol/water partition coefficient  
LD/LC - Lethal Dose/ Lethal Concentration  
MARPOL – Marine Pollution  
MEL - Maximum Exposure Limits  
NFPA - National Fire Protection Agency  
NIOSH - National Institute for Occupational Safety and Health  
NJTSR - New Jersey Trade Secret Registry  
NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration  
PEL- Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short-term Exposure Limit  
STOT – Specific Target Organ Toxicity  
TDG - Transportation of Dangerous Goods  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
UN/NA - United Nations /North American  
US - United States  
VLE - Exposure Limit Value (Mexico)  
VOC – Volatile Organic Compounds