

Safety Data Sheet acc. to OSHA HCS

Printing date 12/18/2020

Reviewed on 12/18/2020

1 Identification

- **Product identifier**
- **Trade name:** Perls Shampoo
- **Article number:** 98140515
- **Application of the substance / the mixture** Exterior vehicle cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Nextzett GmbH
An der Höhe 15
D-51674 Wiehl-Marienhagen
Deutschland
Tel: +49 2261 6095433
Fax: +49 2261 6095429
Email: info@nextzett.de / www.nextzett.de
- **Information department:** Chemtel
- **Emergency telephone number:** 1-800-255-3924 (USA AND CANADA)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS07



GHS08

- **Signal word** Warning
- **Hazard-determining components of labeling:**
coconut oil diethanolamine condensate
- **Hazard statements**

Causes serious eye irritation.

Suspected of causing cancer.

- **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling.

Wear eye protection / face protection.

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Wear protective gloves/protective clothing/eye protection/face protection.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	>2.5-<10%
CAS: 34590-94-8	Dipropylene glycol monomethyl ether	>2.5-≤10%
CAS: 68603-42-9	coconut oil diethanolamine condensate Alternative CAS numbers: 68155-07-7, 8051-30-7	≥0.1-≤2.5%
CAS: 111-42-2	2,2'-iminodiethanol	≥0.1-<1%

· **Verordnung (EG) Nr. 648/2004 über Detergenzien / Kennzeichnung der Inhaltsstoffe**

amphoteric surfactants, non-ionic surfactants	<5%
perfumes (D-LIMONENE), preservation agents (pyridine-2-thiol 1-oxide, sodium salt, BENZISOTHIAZOLINONE)	

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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· **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	30 ppm
CAS: 34590-94-8	Dipropylene glycol monomethyl ether	150 ppm
CAS: 111-42-2	2,2'-iminodiethanol	3 mg/m ³
CAS: 556-67-2	octamethylcyclotetrasiloxane	30 ppm
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	15 ppm
CAS: 112-31-2	decanal	1.8 ppm

· **PAC-2:**

CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm
CAS: 34590-94-8	Dipropylene glycol monomethyl ether	1700* ppm
CAS: 111-42-2	2,2'-iminodiethanol	28 mg/m ³
CAS: 556-67-2	octamethylcyclotetrasiloxane	68 ppm
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	67 ppm
CAS: 112-31-2	decanal	19 ppm

· **PAC-3:**

CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm
CAS: 34590-94-8	Dipropylene glycol monomethyl ether	9900** ppm
CAS: 111-42-2	2,2'-iminodiethanol	130 mg/m ³
CAS: 556-67-2	octamethylcyclotetrasiloxane	130 ppm
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	170 ppm

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CAS: 112-31-2 decanal

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120 ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 12
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

Control parameters

- **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

TLV Long-term value: 67.5* mg/m³, 10* ppm
*Inhalable fraction and vapor

CAS: 34590-94-8 Dipropylene glycol monomethyl ether

PEL Long-term value: 600 mg/m³, 100 ppm
Skin

REL Short-term value: 900 mg/m³, 150 ppm
Long-term value: 600 mg/m³, 100 ppm
Skin

TLV Short-term value: NIC-606 (909) mg/m³, NIC-100 (150) ppm
Long-term value: NIC-303 (606) mg/m³, NIC-50 (100) ppm
(Skin)

CAS: 111-42-2 2,2'-iminodiethanol

REL Long-term value: 15 mg/m³, 3 ppm

TLV Long-term value: 1* mg/m³, 0.2* ppm
Skin; *inhalable fraction and vapor

- **Additional information:** The lists that were valid during the creation were used as basis.

Exposure controls

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

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- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

Suitable chemical resistant protective gloves (EN374) also at prolonged, direct contact (recommended protection index 6, corresponding 480 minutes permeation time according to EN 374) e.g. from Nitrile Gloves (0,33-0,5 mm) Polyvinylchloride (1mm).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

General Information

- **Appearance:**

Form:	Fluid
Color:	Yellow
· Odor:	Fruit-like
· Odor threshold:	Not determined.

- **pH-value at 20 °C (68 °F):** 6.9

- **Change in condition**

Melting point/Melting range:	4 °C (39.2 °F)
Boiling point/Boiling range:	100 °C (212 °F)

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not applicable.

- **Decomposition temperature:** Not determined.

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· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
· Density at 20 °C (68 °F):	1.011 g/cm ³ (8.4368 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	6.1 %
VOC content:	6.07 %
	61.3 g/l / 0.51 lb/gal
· Solids content:	10.8 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate)

Dermal	LD50	133,333 mg/kg (rabbit)
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CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	5,660 mg/kg (rat)
Dermal	LD50	4,000 mg/kg (rabbit)

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CAS: 34590-94-8 Dipropylene glycol monomethyl ether

Oral LD50 5,135 mg/kg (rat)

Dermal LD50 >19,000 mg/kg (rab)

CAS: 308062-28-4 Amines, C12-14 (even numbered)- alkyldimethyl, n-oxides

Oral LD50 1,064 mg/kg (rat)

CAS: 111-42-2 2,2'-iminodiethanol

Oral LD50 1,600 mg/kg (rat)

Dermal LD50 12,200 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

CAS: 68603-42-9	coconut oil diethanolamine condensate	2B
CAS: 111-42-2	2,2'-iminodiethanol	2B
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	3

· **NTP (National Toxicology Program)**

CAS: 93-08-3	Methyl beta-naphthyl ketone	R
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· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability**
The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** not regulated
- **UN proper shipping name**
- **DOT, IMDG, IATA** not regulated
- **Transport hazard class(es)**
- **DOT, ADN, IMDG, IATA**
- **Class** not regulated
- **Packing group**
- **DOT, IMDG, IATA** not regulated
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** not regulated

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture** No further relevant information available.

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

CAS: 111-42-2 2,2'-iminodiethanol

· **TSCA (Toxic Substances Control Act):**

CAS: 7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
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CAS: 61789-40-0	inner salt of N-cocoacyl derivatives of (3-aminopropan-1-yl)(carboxymethyl) dimethylammonium	ACTIVE
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CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	ACTIVE
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CAS: 134737-05-6	Polydimethylsiloxan, di-quaternär	ACTIVE
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CAS: 34590-94-8	Dipropylene glycol monomethyl ether	ACTIVE
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CAS: 68603-42-9	coconut oil diethanolamine condensate	ACTIVE
CAS: 7647-14-5	sodium chloride	ACTIVE
CAS: 111-42-2	2,2'-iminodiethanol	ACTIVE
CAS: 556-67-2	octamethylcyclotetrasiloxane	ACTIVE
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	ACTIVE
CAS: 3811-73-2	pyridine-2-thiol 1-oxide, sodium salt	ACTIVE
CAS: 14860-53-8	tetrapotassium (1-hydroxyethylidene)bisphosphonate	ACTIVE
CAS: 112-31-2	decanal	ACTIVE
CAS: 60376-08-1	Trikaliumhydrogen (1-Hydroxyethyliden) bisphosphonat	ACTIVE
CAS: 1934-21-0	trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate	ACTIVE
CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	ACTIVE
CAS: 68855-99-2	Litsea cubeba oil	ACTIVE
CAS: 5392-40-5	Citral	ACTIVE
CAS: 78-70-6	Linalool	ACTIVE
CAS: 18479-58-8	Dihydromyrcenol	ACTIVE
CAS: 123-68-2	allyl hexanoate	ACTIVE
CAS: 112-54-9	Lauric aldehyde	ACTIVE
CAS: 79-77-6	(E)-.beta.-Ionone	ACTIVE
CAS: 107-75-5	Hydroxycitronellal	ACTIVE
CAS: 93-04-9	beta-Naphthyl methyl ether	ACTIVE
CAS: 93-08-3	Methyl beta-naphthyl ketone	ACTIVE
CAS: 106-22-9	dl-Citronellol	ACTIVE
CAS: 106-24-1	Geraniol	ACTIVE
CAS: 104-67-6	gamma-Undecalactone	ACTIVE

· Hazardous Air Pollutants

CAS: 111-42-2	2,2'-iminodiethanol
CAS: 93-08-3	Methyl beta-naphthyl ketone

· Proposition 65

· Chemicals known to cause cancer:

CAS: 68603-42-9	coconut oil diethanolamine condensate
CAS: 111-42-2	2,2'-iminodiethanol

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

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· TLV (Threshold Limit Value established by ACGIH)

CAS: 111-42-2	2,2'-iminodiethanol	A3
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· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS07 GHS08

· Signal word Warning

· Hazard-determining components of labeling:

coconut oil diethanolamine condensate

· Hazard statements

Causes serious eye irritation.

Suspected of causing cancer.

· Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wash hands thoroughly after handling.

Wear eye protection / face protection.

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

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

Continue rinsing.

IF exposed or concerned: Get medical advice/attention. If

eye irritation persists: Get medical advice/attention. Store

locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Contact:

· Date of preparation / last revision 12/18/2020 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A
Carc. 2: Carcinogenicity - Category 2
*** Data compared to the previous version altered.**

US