



Safety Data Sheet according to (EC) No 1907/2006 as amended

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Bain De Terre Keratin Phyto Protein Conditioner

SDS No. : 804404
V001.0

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

1.1. Product identifier

Bain De Terre Keratin Phyto Protein Conditioner

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

Intended use:

Conditioner, rinse off

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA
Düsseldorf Germany
Henkelstr. 67
40191 Düsseldorf
Phone: +49 211-797-0

E-mail address of person responsible for Safety Data Sheet:

Henkel Cosmetics, e-mail : Elisabeth.Poppe@henkel.com

1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

Further information is available at Poison Control Centers.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

Skin irritation	Category 2
Causes skin irritation.	
Serious eye irritation	Category 2
Causes serious eye irritation.	
Chronic hazards to the aquatic environment	Category 3
Harmful to aquatic life with long lasting effects.	

2.2. Label elements (CLP)

Hazard pictogram:



Signal word:	Warning
Hazard statement:	H315 Causes skin irritation. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
Precautionary statement: Prevention	P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves.
Precautionary statement: Response	P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.
Precautionary statement: Disposal	P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

EUH208 Contains Isoeugenol. May produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Hazardous substances according to CLP (EC) No 1272/2008:

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
Docosyltrimethylammonium chloride 17301-53-0	241-327-0		>= 1- < 2,5 %	H314 Skin corrosion 1 H318 Serious eye damage 1 H302 Acute toxicity 4; Oral H400 Acute hazards to the aquatic environment 1 H410 Chronic hazards to the aquatic environment 1
2,2,4,6,6-Pentamethylheptane 13475-82-6	236-757-0	01-2119490725-29	>= 1- < 2,5 %	H304 Aspiration hazard 1 H413 Chronic hazards to the aquatic environment 4 H226 Flammable liquids 3
Guar gum, 2-hydroxy-3- (trimethylammonio)propyl ether, chloride 65497-29-2			>= 0,1- < 0,25 %	H400 Acute hazards to the aquatic environment 1 H410 Chronic hazards to the aquatic environment 1
Isoeugenol 97-54-1	202-590-7		< 0,01 %	H332 Acute toxicity 4; Inhalation H335 Specific target organ toxicity - single exposure 3 H319 Serious eye irritation 2 H317 Skin sensitizer 1A H315 Skin irritation 2; Dermal H312 Acute toxicity 4; Dermal H302 Acute toxicity 4; Oral

For full text of the H - Phrases indicated by codes only see Section 16 "Other information".

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

not relevant.

Skin contact:

Rinse with running water and soap.

Take off all clothing contaminated by the product.

If necessary, see a dermatologist.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

None known

5.2. Special hazards arising from the substance or mixture

The release of following substances is possible in case of fire:

carbon oxides.

Hydrogen chloride.

nitrogen oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

Additional information:

Dispose of combustion residues and contaminated fire-fighting water in accordance with statutory regulations.

Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment.

6.2. Environmental precautions

Do not allow to enter drainage system, surface or ground water of not diluted product.

Do not dispose of in wastepaper bin or trash-can.

6.3. Methods and material for containment and cleaning up

Remove with liquid-absorbing material (chemical binder)

Dilute small quantities with large amount of water and rinse.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling advice:

Avoid skin and eye contact.

Fire and explosion protection information:

No special measures required if used properly.

Hygiene measures:

Do not eat, drink or smoke while working.

Immediately remove soiled or soaked clothing.

Wash hands before work breaks and after finishing work.

Keep away from food, beverages and animal feed.

7.2. Conditions for safe storage, including any incompatibilities

Store in sealed original container protected against moisture.

Store far from foodstuffs.

7.3. Specific end use(s)

Conditioner, rinse off

SECTION 8: Exposure controls/personal protection

Only relevant for professional/industrial use

8.1. Control parameters

Valid for

Germany

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Remarks
Glycerol 56-81-5		200	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Glycerol 56-81-5			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
2,2,4,6,6-Pentamethylheptane 13475-82-6		600	Exposure limit(s):	2	TRGS 900
2,2,4,6,6-Pentamethylheptane 13475-82-6			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900

8.2. Exposure controls

Engineering controls:

Ensure good ventilation/suction at the workplace.

Respiratory protection:

Not needed.

Hand protection:

For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Manufacturer e.g. German company KCL, type Dermatril.

Eye protection:
Protective goggles

Skin protection:
Suitable protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

The following data apply to the whole mixture:

Appearance	cream viscous light yellow
Odor	characteristic
pH (25 °C (77 °F))	3,00 - 4,00
Initial boiling point	Not applicable
Flash point	Not applicable
Decomposition temperature	Not applicable
Vapour pressure	Not applicable
Density (20 °C (68 °F))	0,980 - 1,000 g/cm ³
Bulk density	Not applicable
Viscosity (Brookfield; Instrument: LVT; 25 °C (77 °F); speed of rotation: 0,6 min ⁻¹ ; Spindle No: TE)	300.000 - 600.000 mPa.s
Viscosity (kinematic)	Not applicable
Explosive properties	Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Partially soluble
Solidification temperature	Not applicable
Melting point	Not applicable
Flammability	Not applicable
Auto-ignition temperature	Not applicable
Explosive limits	Not applicable
Partition coefficient: n-octanol/water	Not applicable
Evaporation rate	Not applicable
Vapor density	Not applicable
Oxidising properties	Not applicable
Container pressure	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

None if used for intended purpose.

10.2. Chemical stability

None known.

10.3. Possibility of hazardous reactions

See section reactivity
None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

General toxicological information:

The present product is a chemical preparation within the meaning of the chemicals act. The following evaluation has been made on the basis of the toxicological data and content by weight of the individual ingredients.

11.1. Information on toxicological effects

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
2,2,4,6,6-Pentamethylheptane 13475-82-6	LD50	> 5.000 mg/kg	rat	equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity)
Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride 65497-29-2	LD50	12.500 mg/kg	rat	not specified

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
2,2,4,6,6-Pentamethylheptane 13475-82-6	LD50	> 2.200 mg/kg	rabbit	not specified

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
2,2,4,6,6-Pentamethylheptane 13475-82-6	LC50	> 5,6 mg/l	dust/mist	4 h	rat	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)
2,2,4,6,6-Pentamethylheptane 13475-82-6	LC50	> 4,951 mg/l	vapour	4 h	rat	equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation:

No data available.

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
2,2,4,6,6-Pentamethylheptane 13475-82-6	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Docosyltrimethylammonium chloride 17301-53-0	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
2,2,4,6,6-Pentamethylheptane 13475-82-6	not sensitising	Guinea pig maximisation test	guinea pig	equivalent or similar to OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Docosyltrimethylammonium chloride 17301-53-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Docosyltrimethylammonium chloride 17301-53-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
2,2,4,6,6-Pentamethylheptane 13475-82-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
2,2,4,6,6-Pentamethylheptane 13475-82-6	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
2,2,4,6,6-Pentamethylheptane 13475-82-6	negative	sister chromatid exchange assay in mammalian cells	with and without		equivalent or similar to OECD Guideline 479 (Genetic Toxicology: In Vitro Sister Chromatid Exchange Assay in Mammalian Cells)
Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride 65497-29-2	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test

Carcinogenicity

No data available.

Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
2,2,4,6,6- Pentamethylheptane 13475-82-6	NOAEL 1.000 mg/kg	oral: gavage	13 weeks 7 d/week	rat	equivalent or similar to OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Guar gum, 2-hydroxy-3- (trimethylammonio)propy l ether, chloride 65497-29-2	NOAEL 1.000 mg/kg	oral: feed	30 d	rat	not specified

Aspiration hazard:

No data available.

SECTION 12: Ecological information

General ecological information:

The ecological evaluation of the product is based on data from the raw material and/or comparable substances.

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Docosyltrimethylammonium chloride 17301-53-0	LC50	3,5 mg/l	96 h	Danio rerio (reported as Brachydanio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Docosyltrimethylammonium chloride 17301-53-0	NOEC	0,24 mg/l	9 d	Danio rerio (reported as Brachydanio rerio)	OECD Guideline 212 (Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages)
2,2,4,6,6-Pentamethylheptane 13475-82-6	LL50	Toxicity > Water solubility	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride 65497-29-2	LC50	> 0,2 - 0,8 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Docosyltrimethylammonium chloride 17301-53-0	EC50	1,39 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2,2,4,6,6-Pentamethylheptane 13475-82-6	EL50	Toxicity > Water solubility	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Isoeugenol 97-54-1	EC50	7,5 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Docosyltrimethylammonium chloride 17301-53-0	NOEC	0,119 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
2,2,4,6,6-Pentamethylheptane 13475-82-6	NOEC	Toxicity > Water solubility	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Docosyltrimethylammonium chloride 17301-53-0	EC50	3,48 mg/l	72 h	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Docosyltrimethylammonium chloride 17301-53-0	EC10	0,78 mg/l	72 h	Desmodesmus subspicatus (reported as Scenedesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2,2,4,6,6-Pentamethylheptane 13475-82-6	NOEC	Toxicity > Water solubility	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2,2,4,6,6-Pentamethylheptane 13475-82-6	EC50	Toxicity > Water solubility	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity to microorganisms

No data available.

12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Docosyltrimethylammonium chloride 17301-53-0	not readily biodegradable.	aerobic	80 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
2,2,4,6,6-Pentamethylheptane 13475-82-6	not readily biodegradable.	aerobic	31,5 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride 65497-29-2	not readily biodegradable.	aerobic	0 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride 65497-29-2	not inherently biodegradable	aerobic	51 %	28 d	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
Isoeugenol 97-54-1	readily biodegradable	no data	79 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

Hazardous substances CAS-No.	LogPow	Temperature	Method
Docosyltrimethylammonium chloride 17301-53-0	3,29	20 °C	QSAR (Quantitative Structure Activity Relationship)
2,2,4,6,6-Pentamethylheptane 13475-82-6	6,96		QSAR (Quantitative Structure Activity Relationship)
Isoeugenol 97-54-1	2,65		not specified

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
2,2,4,6,6-Pentamethylheptane 13475-82-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product disposal:
Consider national regulations.

SECTION 14: Transport information**14.1. UN number or ID number**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations/information (Germany):

WGK:	WGK 3: highly hazardous to water (Germany. Ordinance on Facilities Handling Substances that are Hazardous to Water, ((AwSV of 21 April 2017), UBA, BAnz AT), as amended) No data of manufacturer available.
Storage class according to TRGS 510:	10

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.
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.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

Further information:

This information is not related to the use of the product, it is based on our current level of knowledge.