Andy Professional Gold

Revision: 2014-10-08 ***Version:*** *03.0*

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

1.1 Product identifier
Trade name: Andy Professional Gold
Andy is a registered trade mark and is used under licence of Conni

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses:
For professional use only.
AISE-P301 - General purpose cleaner. Manual process
AISE-P316 - Metal cleaning agent. Manual process
Uses advised against: Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet
Conni local operating company

Contact details
Conni local operating company

1.4 Emergency telephone number
Conni local operating company

This International SDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory data sheet for your country.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
The product has been classified and labelled in accordance with Regulation (EC) No 1272/2008.

Eye Irrit. 2 (H319)
Aquatic Chronic 3 (H412)

The product does not meet the criteria for classification in accordance with Directive 1999/45/EC and corresponding national legislation

2.2 Label elements

Signal word: Warning

Hazard statements:
H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

2.3 Other hazards
No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Classification (1999/45/EC)	Notes	Weight percent
coconut oil, reaction products with diethanolamine	232-483-0	8051-30-7	No data available	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)	Xi;R38-41		1-3
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	287-337-9	85480-57-5	[1]	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	Xn;R22 Xi;R38-41		1-3
potassium hydroxide	215-181-3	1310-58-3	01-2119487136-33	Skin Corr. 1A (H314) Acute Tox. 4 (H302) Met. Corr. 1 (H290)	Xn;R22 C;R35		0.1-1
p-mentha-1,4(8)-diene	209-578-0	586-62-9	No data available	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411)	R10 N;R51/53 Xn;R65		0.1-1

* Polymer.
For the full text of the R, H and EUH phrases mentioned in this Section, see Section 16.
Workplace exposure limit(s), if available, are listed in subsection 8.1.
[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.
[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.
[3] Exempted: Annex V of Regulation (EC) No 1907/2006.
[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation Get medical attention or advice if you feel unwell.

Skin contact: Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

Eye contact: Immediately rinse eyes cautiously with lukewarm water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.

Ingestion: Immediately drink 1 glass of water. Get medical attention or advice if you feel unwell.

Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: No known effects or symptoms in normal use.

Skin contact: No known effects or symptoms in normal use.

Eye contact: Causes severe irritation.

Ingestion: No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Measures to prevent fire and explosions:
No special precautions required.

Measures required to protect the environment:
For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:
Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless adviced by Sealed Air. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Use personal protective equipment as required. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities
Store in accordance with local and national regulations. Keep only in original container. Store in a closed container.
For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)
No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Workplace exposure limits

Air limit values, if available:

Ingredient(s)	EU - Long term value(s)	EU - Short term value(s)	UK - Long term value(s)	UK - Short term value(s)
potassium hydroxide				2 mg/m³

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values
Human exposure
DNEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
coconut oil, reaction products with diethanolamine	No data available	No data available	No data available	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available

DNEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
coconut oil, reaction products with diethanolamine	No data available	No data available	No data available	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available

DNEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
coconut oil, reaction products with diethanolamine	No data available	No data available	No data available	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
coconut oil, reaction products with diethanolamine	No data available	No data available	No data available	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	1	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects

coconut oil, reaction products with diethanolamine	No data available	No data available	No data available	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	1	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available

Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
coconut oil, reaction products with diethanolamine	No data available	No data available	No data available	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m3)
coconut oil, reaction products with diethanolamine	No data available	No data available	No data available	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available	No data available	No data available	No data available
potassium hydroxide	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2.
If available, please refer to the product information sheet for application and handling instructions.
Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:
Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment
Eye / face protection: Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product.
Hand protection: Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
Body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 5

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: No special requirements under normal use conditions.

Personal protective equipment
Eye / face protection: Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product.
Hand protection: Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
Body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Information in this section refers to the product, unless it is specifically stated that substance data is listed

Method / remark

Physical State: Liquid
Colour: Opaque, Pale, Green
Odour: Slightly perfumed
Odour threshold: Not applicable
pH: ≈ 10 (neat)
Melting point/freezing point (°C): Not determined
Initial boiling point and boiling range (°C): Not determined

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
coconut oil, reaction products with diethanolamine	No data available		
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available		
potassium hydroxide	140	Method not given	
p-mentha-1,4(8)-diene	No data available		

Method / remark

Flash point (°C): Not applicable.
Sustained combustion: Not determined
Evaporation rate: Not determined
Flammability (solid, gas): Not determined
Upper/lower flammability limit (%): Not determined

Substance data, flammability or explosive limits, if available:

Method / remark

Vapour pressure: Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
coconut oil, reaction products with diethanolamine	No data available		
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available		
potassium hydroxide	2300	Method not given	20
p-mentha-1,4(8)-diene	No data available		

Method / remark

Vapour density: Not determined
Relative density: 1.10 g/cm³ (20 °C)
Solubility in / Miscibility with Water: Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
coconut oil, reaction products with diethanolamine	No data available		
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available		
potassium hydroxide	No data available		
p-mentha-1,4(8)-diene	No data available		

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Method / remark

Autoignition temperature: Not determined
Decomposition temperature: Not determined
Viscosity: ≈ 33 mPa.s (20°C)
Explosive properties: Not explosive.
Oxidising properties: Not oxidising

9.2 Other information
Surface tension (N/m): Not determined
Corrosion to metals: Not corrosive

Substance data, dissociation constant, if available:

SECTION 10: Stability and reactivity

10.1 Reactivity
No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability
Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions
No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid
None known under normal storage and use conditions.

10.5 Incompatible materials
Reacts with acids.

10.6 Hazardous decomposition products
None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture data:

Relevant calculated ATE(s):
ATE - Oral (mg/kg): >2000

Eye irritation and corrosivity
Result: Eye irritant 2 **Method:** Weight of evidence

Substance data, where relevant and available, are listed below.

Acute toxicity
Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
coconut oil, reaction products with diethanolamine		No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available			
potassium hydroxide	LD_{50}	333	Rat	OECD 425	
p-mentha-1,4(8)-diene		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
coconut oil, reaction products with diethanolamine		No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available			
potassium hydroxide		No data available			
p-mentha-1,4(8)-diene		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
coconut oil, reaction products with diethanolamine		No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available			
potassium hydroxide		No data available			
p-mentha-1,4(8)-diene		No data available			

Irritation and corrosivity
Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
coconut oil, reaction products with diethanolamine	No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available			
potassium hydroxide	Corrosive	Rabbit	Draize test	
p-mentha-1,4(8)-diene	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
coconut oil, reaction products with diethanolamine	No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available			
potassium hydroxide	Corrosive		Method not given	
p-mentha-1,4(8)-diene	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
coconut oil, reaction products with diethanolamine	No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available			
potassium hydroxide	No data available			

p-mentha-1,4(8)-diene	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
coconut oil, reaction products with diethanolamine	No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available			
potassium hydroxide	Not sensitising	Guinea pig	Method not given	
p-mentha-1,4(8)-diene	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
coconut oil, reaction products with diethanolamine	No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available			
potassium hydroxide	No data available			
p-mentha-1,4(8)-diene	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
coconut oil, reaction products with diethanolamine	No data available		No data available	
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available		No data available	
potassium hydroxide	No evidence for mutagenicity, negative test results	Method not given	No data available	
p-mentha-1,4(8)-diene	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
coconut oil, reaction products with diethanolamine	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available
potassium hydroxide	No evidence for carcinogenicity, negative test results
p-mentha-1,4(8)-diene	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
coconut oil, reaction products with diethanolamine			No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts			No data available				
potassium hydroxide			No data available				No evidence for reproductive toxicity
p-mentha-1,4(8)-diene			No data available				

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
coconut oil, reaction products with diethanolamine		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available				
potassium hydroxide		No data available				
p-mentha-1,4(8)-diene		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
coconut oil, reaction products with diethanolamine		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available				
potassium hydroxide		No data available				
p-mentha-1,4(8)-diene		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
coconut oil, reaction products with diethanolamine		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available				
potassium hydroxide		No data available				
p-mentha-1,4(8)-diene		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
coconut oil, reaction products with diethanolamine			No data available					
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts			No data available					
potassium hydroxide			No data available					
p-mentha-1,4(8)-diene			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
coconut oil, reaction products with diethanolamine	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available
potassium hydroxide	No data available
p-mentha-1,4(8)-diene	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
coconut oil, reaction products with diethanolamine	No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available
potassium hydroxide	No data available
p-mentha-1,4(8)-diene	No data available

Aspiration hazard
Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

Potential adverse health effects and symptoms
Effects and symptoms related to the product, if any, are listed in subsection 4.2.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below

Aquatic short-term toxicity
Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
coconut oil, reaction products with diethanolamine		No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available			
potassium hydroxide	LC_{50}	80	*Various species*	Method not given	24
p-mentha-1,4(8)-diene		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
coconut oil, reaction products with diethanolamine		No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available			
potassium hydroxide	EC_{50}	30 - 1000	*Daphnia magna Straus*	Method not given	
p-mentha-1,4(8)-diene		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
coconut oil, reaction products with diethanolamine		No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available			
potassium hydroxide		No data available			
p-mentha-1,4(8)-diene		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
coconut oil, reaction products with diethanolamine		No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available			
potassium hydroxide		No data available			
p-mentha-1,4(8)-diene		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
coconut oil, reaction products with diethanolamine		No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available			
potassium hydroxide		No data available			
p-mentha-1,4(8)-diene		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
coconut oil, reaction products with diethanolamine		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available				
potassium hydroxide		No data available				
p-mentha-1,4(8)-diene		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
coconut oil, reaction products with diethanolamine		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available				
potassium hydroxide		No data available				
p-mentha-1,4(8)-diene		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
coconut oil, reaction products with diethanolamine		No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts		No data available				
potassium hydroxide		No data available				
p-mentha-1,4(8)-diene		No data available				

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability
Abiotic degradation
Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation
Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT 50	Method	Evaluation
coconut oil, reaction products with diethanolamine					No data available
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts					No data available
potassium hydroxide					Not applicable (inorganic substance)
p-mentha-1,4(8)-diene					No data available

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential
Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
coconut oil, reaction products with diethanolamine	No data available			
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available			
potassium hydroxide	No data available		Not relevant, does not bioaccumulate	
p-mentha-1,4(8)-diene	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
coconut oil, reaction products with diethanolamine	No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available				
potassium hydroxide	No data available				
p-mentha-1,4(8)-diene	No data available				

12.4 Mobility in soil
Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
coconut oil, reaction products with diethanolamine	No data available				
benzenesulphonic acid, mono-C10-13-alkyl derivs., potassium salts	No data available				
potassium hydroxide	No data available				Low potential for adsorption to soil
p-mentha-1,4(8)-diene	No data available				

12.5 Results of PBT and vPvB assessment
Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Other adverse effects
No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products:	The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.
European Waste Catalogue:	20 01 29* - detergents containing dangerous substances.
Empty packaging Recommendation:	Dispose of observing national or local regulations.
Suitable cleaning agents:	Water, if necessary with cleaning agent.

SECTION 14: Transport information

ADR, RID, ADN, IMO/IMDG, ICAO/IATA
14.1 UN number: Non-dangerous goods
14.2 UN proper shipping name: Non-dangerous goods
14.3 Transport hazard class(es): Non-dangerous goods
Class: -
14.4 Packing group: Non-dangerous goods
14.5 Environmental hazards: Non-dangerous goods
14.6 Special precautions for user: Non-dangerous goods
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: The product is not transported in bulk tankers.

SECTION 15: Regulatory information

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

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

Ingredients according to EC Detergents Regulation 648/2004

phosphates	5 - 15%
anionic surfactants, non-ionic surfactants, soap	< 5%
perfumes, Limonene, Linalool, Coumarin	

15.2 Chemical safety assessment
A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

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Reason for revision:
Overall design adjusted in accordance with Amendment 453/2010, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s):, 3, 8, 13

Classification procedure
The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Full text of the R, H and EUH phrases mentioned in section 3:
•H226-Flammableliquidandvapour.
•H290-Maybecorosivetometals.
•H302-Harmfulifswalowed.
•H304-Maybefatalifswalowedandentersairways.
•H314-Causessevereskinburnsandeyedamage.
•H315-Causesskiniritation.
•H318-Causesseriouseyedamage.
•H411-Toxictoaquaticlifewithlonglastingefects.
•R10-Flammable.
•R22-Harmfulifswalowed.
•R35-Causesseverereburns.
•R38-Iritatingtoskin.
•R41-Riskofseriousdamagetoeyes.
•R65-Harmful:maycauselungdamageifswalowed.
•R51/53-Toxictoaquaticorganisms,maycauselong-term adverseefectsintheaquaticenvironment.

Abbreviations and acronyms:
•AISE-TheinternationalAssociationforSoaps,DetergentsandMaintenanceProducts
•DNEL-DerivedNoEfectLimit
•EUH-CLPSpecifichazardstatement
•PBT-Persistent,BioaccumulativeandToxic
•PNEC-PredictedNoEfectConcentration
•REACHnumber-REACHregistrationnumber,withoutsupplierspecificpart
•vPvB-veryPersistentandveryBioaccumulative
•ATE-AcuteToxicityEstimate

End of Safety Data Sheet