Safety Data Sheet

According to Regulation (EC) No 1907/2006

Hagerty Silver Polish

Revision: 2014-10-27 *Version: 02.0*

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

1.1 Product identifier
Trade name: Hagerty Silver Polish

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses:
AISE-C7 [3] - Surface cleaners (liquid, powder, gel neat, spray neat) for consumer use
Uses advised against: Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet
Hagerty SA

Contact details
Promenade-Noire 1, CH-2000 Neuchâtel, Switserland
Tel +41 32 724 44 64
www.hagertycare.com

1.4 Emergency telephone number
24 hour medical emergency telephone number: + 41 44 251 51 51
Swiss Toxicological Information Centre, Zurich

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 does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008. The product has been classified and labelled in accordance with Regulation (EC) No 1272/2008.

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

2.2 Label elements
Contains EUH208: glutaral (Glutaral)

Hazard statements:
EUH208 - May produce an allergic reaction.

Precautionary statements:
P102 - Keep out of reach of children.

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
diatomaceous earth, uncalcinated (silica, amorphous)	231-545-4	61790-53-2	No data available		-		3-10
xylene (mix)	215-535-7	1330-20-7	01-2119488216-32	Flam. Liq. 3 (H226) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315)	R10 Xn;R20/21 Xi;R38		1-3

octadecane-1-thiol	220-744-1	2885-00-9	No data available	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	Xi;R36/37/38		1-3
propan-2-ol	200-661-7	67-63-0	01-2119457558-25	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)	F;R11 Xi;R36 R67		1-3
benzyl alcohol	202-859-9	100-51-6	01-2119492630-38	Acute Tox. 4 (H302) Eye Irrit. 2 (H319)	Xn;R20/22 Xi;R36		1-3
glutaral	203-856-5	111-30-8	01-2119455549-26	Acute Tox. 3 (H301) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Resp. Sens. 1 (H334) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411) Met. Corr. 1 (H290)	T;R23/25 C;R34 Xn;R42/43 N;R50		0.01-0.1

* 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: Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.

Ingestion: Rinse mouth. 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: No known effects or symptoms in normal use.

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. Dilute with plenty of water.

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. Keep out of reach of children. Do not mix with other products. 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)
diatomaceous earth, uncalcinated (silica, amorphous)			1.2 mg/m³ respirable dust	3.6 mg/m³ respirable dust
xylene (mix)	50 ppm 221 mg/m³	100 ppm 442 mg/m³	50 ppm 220 mg/m³	100 ppm 441 mg/m³
propan-2-ol			400 ppm 999 mg/m³	500 ppm 1250 mg/m³
glutaral			0.05 ppm 0.2 mg/m³	0.05 ppm 0.2 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
diatomaceous earth, uncalcinated (silica, amorphous)	No data available	No data available	No data available	No data available
xylene (mix)	No data available	No data available	No data available	No data available
octadecane-1-thiol	No data available	No data available	No data available	No data available
propan-2-ol	No data available	No data available	No data available	26
benzyl alcohol	No data available	25	No data available	5
glutaral	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)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available	No data available	No data available	No data available
xylene (mix)	No data available	No data available	No data available	180
octadecane-1-thiol	No data available	No data available	No data available	No data available
propan-2-ol	No data available	No data available	No data available	888
benzyl alcohol	No data available	47	No data available	9.5
glutaral	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)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available	No data available	No data available	No data available
xylene (mix)	No data available	No data available	No data available	108
octadecane-1-thiol	No data available	No data available	No data available	No data available
propan-2-ol	No data available	No data available	No data available	319
benzyl alcohol	No data available	28.5	No data available	5.7
glutaral	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
diatomaceous earth, uncalcinated (silica, amorphous)	No data available	No data available	No data available	No data available
xylene (mix)	289	289	No data available	77
octadecane-1-thiol	No data available	No data available	No data available	No data available
propan-2-ol	No data available	No data available	No data available	500
benzyl alcohol	No data available	450	No data available	90
glutaral	0.5	No data available	0.25	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
diatomaceous earth, uncalcinated (silica, amorphous)	No data available	No data available	No data available	No data available
xylene (mix)	174	174	No data available	14.8
octadecane-1-thiol	No data available	No data available	No data available	No data available
propan-2-ol	No data available	No data available	No data available	89
benzyl alcohol	No data available	40.55	No data available	8.11
glutaral	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)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available	No data available	No data available	No data available
xylene (mix)	No data available	No data available	No data available	No data available
octadecane-1-thiol	No data available	No data available	No data available	No data available
propan-2-ol	140.9	140.9	140.9	2251
benzyl alcohol	1	0.1	2.3	39
glutaral	0.0025	0.00025	0.006	0.8

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available	No data available	No data available	No data available
xylene (mix)	No data available	No data available	No data available	No data available
octadecane-1-thiol	No data available	No data available	No data available	No data available
propan-2-ol	552	552	28	No data available
benzyl alcohol	5.27	0.527	0.456	No data available
glutaral	0.527	0.0527	0.03	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:

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: No special requirements under normal use conditions.
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: Clear, from Red to Brown
Odour: Slightly perfumed
Odour threshold: Not applicable
pH: ≈ 8 (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)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available		
xylene (mix)	No data available		
octadecane-1-thiol	180	Method not given	
propan-2-ol	82	Method not given	1013
benzyl alcohol	205	Method not given	1013
glutaral	101.5	Method not given	987.1

Method / remark

Flash point (°C): ≈ 56 — closed cup
Sustained combustion: This product with a flashpoint between 21 °C and 60 °C does not support combustion — UN Manual of Tests and Criteria, section 32, L.2
Evaporation rate: Not determined
Flammability (solid, gas): Not determined
Upper/lower flammability limit (%): Not determined

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
propan-2-ol	2	13
benzyl alcohol	1.3	13

Method / remark

Vapour pressure: Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available		
xylene (mix)	No data available		
octadecane-1-thiol	No data available		
propan-2-ol	4200	Method not given	20
benzyl alcohol	20	Method not given	20
glutaral	2000	Method not given	20.1

Method / remark

Vapour density: Not determined
Relative density: 1.04 g/cm³ (20 °C)
Solubility in / Miscibility with Water: Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available		
xylene (mix)	0.175	Method not given	
octadecane-1-thiol	Insoluble	Method not given	
propan-2-ol	Soluble	Method not given	
benzyl alcohol	40	Method not given	20
glutaral	Soluble	Method not given	20

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

Method / remark

Autoignition temperature: Not determined
Decomposition temperature: Not determined
Viscosity: Not determined
Explosive properties: Not explosive. Vapours may form explosive mixtures with air.
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
Keep in a cool place. Keep container in a well-ventilated place. None known under normal storage and use conditions.

10.5 Incompatible materials
None known under normal use conditions.

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
ATE - Dermal (mg/kg): >2000
ATE - Inhalatory, vapours (mg/l): >20

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)
diatomaceous earth, uncalcinated (silica, amorphous)		No data available			
xylene (mix)	LD_{50}	2000 - 5000		Method not given	
octadecane-1-thiol	LD_{50}	> 2000	Rat	Method not given	
propan-2-ol	LD_{50}	3570	Rat	Method not given	
benzyl alcohol	LD_{50}	1230	Rat	Method not given	
glutaral	LD_{50}	158	Rat	OECD 401 (EU B.1)	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
diatomaceous earth, uncalcinated (silica, amorphous)		No data available			
xylene (mix)		No data available		Method not given	
octadecane-1-thiol		No data available			
propan-2-ol	LD_{50}	> 2000	Rabbit	Method not given	
benzyl alcohol	LD_{50}	2000	Rabbit	Method not given	
glutaral	LD_{50}	> 2000	Rat	OECD 402 (EU B.3)	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
diatomaceous earth, uncalcinated (silica, amorphous)		No data available			
xylene (mix)	LC_{50}	> 10		Method not given	
octadecane-1-thiol		No data available			
propan-2-ol	LC_{50}	> 25 (vapour)	Rat	OECD 403 (EU B.2)	6
benzyl alcohol	LC_{50}	> 4178 (mist)	Rat	OECD 403 (EU B.2)	4
glutaral	LC_{50}	0.48 (mist)	Rat	OECD 403 (EU B.2)	4

Irritation and corrosivity
Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
diatomaceous earth, uncalcinated (silica, amorphous)	No data available			
xylene (mix)	Irritant		Method not given	
octadecane-1-thiol	Irritant		Method not given	
propan-2-ol	Not irritant	Rabbit	OECD 404 (EU B.4)	

benzyl alcohol	No data available			
glutaral	Corrosive	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
diatomaceous earth, uncalcinated (silica, amorphous)	No data available			
xylene (mix)	Severe damage		Method not given	
octadecane-1-thiol	Irritant		Method not given	
propan-2-ol	Irritant	Rabbit	OECD 405 (EU B.5)	
benzyl alcohol	Irritant		Method not given	
glutaral	Severe damage	Rabbit	OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
diatomaceous earth, uncalcinated (silica, amorphous)	No data available			
xylene (mix)	No data available			
octadecane-1-thiol	No data available			
propan-2-ol	No data available			
benzyl alcohol	No data available			
glutaral	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available			
xylene (mix)	No data available			
octadecane-1-thiol	No data available			
propan-2-ol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
benzyl alcohol	Not sensitising		Method not given	
glutaral	Sensitising	Guinea pig	Method not given	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
diatomaceous earth, uncalcinated (silica, amorphous)	No data available			
xylene (mix)	No data available			
octadecane-1-thiol	No data available			
propan-2-ol	No data available			
benzyl alcohol	No data available			
glutaral	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)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available		No data available	
xylene (mix)	No evidence for mutagenicity, negative test results		No data available	
octadecane-1-thiol	No data available		No data available	
propan-2-ol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
benzyl alcohol	No data available		No data available	
glutaral	Mutagenic	Method not given	No evidence for mutagenicity, negative test results	Method not given

Carcinogenicity

Ingredient(s)	Effect
diatomaceous earth, uncalcinated (silica, amorphous)	No data available
xylene (mix)	No data available
octadecane-1-thiol	No data available
propan-2-ol	No data available
benzyl alcohol	No data available
glutaral	No evidence for carcinogenicity, negative test results

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
diatomaceous earth, uncalcinated (silica, amorphous)			No data available				

xylene (mix)			No data available				No evidence for reproductive toxicity
octadecane-1-thiol			No data available				
propan-2-ol			No data available				
benzyl alcohol			No data available				
glutaral			No data available				No evidence for developmental toxicity No evidence for reproductive toxicity

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
diatomaceous earth, uncalcinated (silica, amorphous)		No data available				
xylene (mix)		No data available				
octadecane-1-thiol		No data available				
propan-2-ol		No data available				
benzyl alcohol		No data available				
glutaral		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
diatomaceous earth, uncalcinated (silica, amorphous)		No data available				
xylene (mix)		No data available				
octadecane-1-thiol		No data available				
propan-2-ol		No data available				
benzyl alcohol		No data available				
glutaral		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
diatomaceous earth, uncalcinated (silica, amorphous)		No data available				
xylene (mix)		No data available				
octadecane-1-thiol		No data available				
propan-2-ol		No data available				
benzyl alcohol		No data available				
glutaral		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
diatomaceous earth, uncalcinated (silica, amorphous)			No data available					
xylene (mix)			No data available					
octadecane-1-thiol			No data available					
propan-2-ol			No data available					
benzyl alcohol			No data available					
glutaral			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available

xylene (mix)	No data available
octadecane-1-thiol	No data available
propan-2-ol	No data available
benzyl alcohol	No data available
glutaral	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
diatomaceous earth, uncalcinated (silica, amorphous)	No data available
xylene (mix)	No data available
octadecane-1-thiol	No data available
propan-2-ol	No data available
benzyl alcohol	No data available
glutaral	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)
diatomaceous earth, uncalcinated (silica, amorphous)		No data available			
xylene (mix)	LC_{50}	1 - 10		Method not given	
octadecane-1-thiol		No data available			
propan-2-ol	LC_{50}	> 100	*Pimephales promelas*	Method not given	48
benzyl alcohol	LC_{50}	460	*Fish*	Method not given	96
glutaral	LC_{50}	5.4	*Pimephales promelas*	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
diatomaceous earth, uncalcinated (silica, amorphous)		No data available			
xylene (mix)	LC_{50}	1 - 10		Method not given	
octadecane-1-thiol		No data available			
propan-2-ol	EC_{50}	> 100	*Daphnia magna Straus*	Method not given	48
benzyl alcohol	EC_{50}	230	*Daphnia magna Straus*	Method not given	48
glutaral	LC_{50}	0.345	*Daphnia magna Straus*	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
diatomaceous earth, uncalcinated (silica, amorphous)		No data available			
xylene (mix)	LC_{50}	1 - 10		Method not given	
octadecane-1-thiol		No data available			
propan-2-ol	EC_{50}	> 100	*Scenedesmus quadricauda*	Method not given	72
benzyl alcohol	EC_{50}	640	*Scenedesmus quadricauda*	Method not given	96
glutaral	EC_{50}	0.6	*Desmodesmus subspicatus*	OECD 201, static	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
diatomaceous earth, uncalcinated (silica, amorphous)		No data available			
xylene (mix)		No data available			
octadecane-1-thiol		No data available			
propan-2-ol		No data available			
benzyl alcohol		No data available			
glutaral		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
diatomaceous earth, uncalcinated (silica, amorphous)		No data available			
xylene (mix)	EC_{50}	100		Method not given	
octadecane-1-thiol		No data available			
propan-2-ol	EC_{50}	> 1000	*Activated sludge*	Method not given	
benzyl alcohol		No data available			
glutaral	EC_{20}	15	*Activated sludge*	OECD 209	30 minute(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
diatomaceous earth, uncalcinated (silica, amorphous)		No data available				
xylene (mix)	NOEC	1 - 10				
octadecane-1-thiol		No data available				
propan-2-ol		No data available				
benzyl alcohol		No data available				
glutaral		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
diatomaceous earth, uncalcinated (silica, amorphous)		No data available				
xylene (mix)		No data available				
octadecane-1-thiol		No data available				
propan-2-ol		No data available				
benzyl alcohol		No data available				
glutaral		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
diatomaceous earth, uncalcinated (silica, amorphous)		No data available				
xylene (mix)		No data available				
octadecane-1-thiol		No data available				
propan-2-ol		No data available				
benzyl alcohol		No data available				
glutaral		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:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
xylene (mix)	No data available		Rapidly photodegradable	

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
diatomaceous earth, uncalcinated (silica, amorphous)					No data available
xylene (mix)					Readily biodegradable
octadecane-1-thiol					No data available
propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
benzyl alcohol		Method not given	95 - 97% % in 21 day(s)	Method not given	Readily biodegradable
glutaral	Activated sludge, aerobe	DOC reduction	90 - 100 % in 28 day(s)	OECD 301A	Readily biodegradable

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
diatomaceous earth, uncalcinated (silica, amorphous)	No data available			
xylene (mix)	No data available			
octadecane-1-thiol	No data available			
propan-2-ol	0.05	OECD 107	No bioaccumulation expected	
benzyl alcohol	1.05	Method not given	Low potential for bioaccumulation	
glutaral	-0.36	(EC) 440/2008, A.8	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
diatomaceous earth, uncalcinated (silica, amorphous)	No data available				
xylene (mix)	No data available				
octadecane-1-thiol	No data available				
propan-2-ol	No data available				
benzyl alcohol	No data available			Low potential for bioaccumulation	
glutaral	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
diatomaceous earth, uncalcinated (silica, amorphous)	No data available				
xylene (mix)	No data available				Potential for adsorption to soil
octadecane-1-thiol	No data available				
propan-2-ol	No data available				Potential for mobility in soil, soluble in water
benzyl alcohol	No data available				Potential for mobility in soil, soluble in water

glutaral	0.76		Method not given		Potential for adsorption to soil

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 30 - detergents other than those mentioned in 20 01 29.

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
anionic surfactants, aromatic hydrocarbons < 5%
perfumes, Benzyl Alcohol, Glutaral

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

MSDS code: MS1001330 **Version:** 02.0 **Revision:** 2014-10-27

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

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:

- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H290 - May be corrosive to metals.
- H301 - Toxic if swallowed.
- H302 - Harmful if swallowed.
- 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.
- H319 - Causes serious eye irritation.
- H331 - Toxic if inhaled.
- H332 - Harmful if inhaled.
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- H400 - Very toxic to aquatic life.
- H411 - Toxic to aquatic life with long lasting effects.
- R10 - Flammable.
- R11 - Highly flammable.
- R20 - Harmful by inhalation.
- R21 - Harmful in contact with skin.
- R22 - Harmful if swallowed.
- R23 - Toxic by inhalation.
- R25 - Toxic if swallowed.
- R34 - Causes burns.
- R36 - Irritating to eyes.
- R37 - Irritating to respiratory system.
- R38 - Irritating to skin.
- R42 - May cause sensitisation by inhalation.
- R43 - May cause sensitisation by skin contact.
- R50 - Very toxic to aquatic organisms.
- R67 - Vapours may cause drowsiness and dizziness.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate

End of Safety Data Sheet