

Safety Data Sheet

according to Regulation (EU) 2015/830
Date of issue: 04-09-2018 Revision date: 26-02-2020 Supersedes: 17-10-2019 Version: 4.0

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

1.1. Product identifier

Product form : Mixture

Product name : HAGERTY SILVERCLEAN PROFESSIONAL

Product code : 26061
Type of product : Detergent
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use

Industrial/Professional use spec : For professional use only

Use of the substance/mixture : BATH FOR JEWELRY SILVER AND SILVER PLATED METAL

Use of the substance/mixture : Cleaner

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

HAGERTY SA PROMENADE-NOIRE 1 NEUCHÂTEL - SWITZERLAND T +41 32 724 44 67

www.hagerty.world

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319
Carcinogenicity, Category 2 H351
Reproductive toxicity, Category 2 H361
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)





GHS07

GHS08

Signal word (CLP) : Warning
Hazardous ingredients : thiourea

Hazard statements (CLP) : H319 - Causes serious eye irritation. H351 - Suspected of causing cancer.

> H361 - Suspected of damaging fertility or the unborn child. H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P202 - Do not handle until all safety precautions have been read and understood.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

EUH-statements : EUH208 - Contains Perfume. May produce an allergic reaction.

UFI : MF5A-R2N3-Y00Y-399N

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% w/w (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
thiourea	(CAS-No.) 62-56-6 (EC-No.) 200-543-5 (EC Index-No.) 612-082-00-0 (REACH-no) 01-2119977062-37	5 – 10	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Repr. 2, H361 Aquatic Chronic 2, H411
Citric acid	(CAS-No.) 77-92-9 (EC-No.) 201-069-1 (REACH-no) 01-2119457026-42	1 – 5	Eye Irrit. 2, H319
ALCOHOLS C12-15 EETHOXYLED EO (2-5)	(CAS-No.) 68439-50-9 (EC-No.) 500-213-3 (REACH-no) 01-2119487984-16	1,78	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic Not classified
PHOSPHORIC ACID	(CAS-No.) 7664-38-2 (EC-No.) 231-633-2 (EC Index-No.) 015-011-00-6 (REACH-no) 01-2119485924-24	1,0125	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314
2-(2-butoxyethoxy)ethanol substance with a Community workplace exposure limit substance with national workplace exposure limit(s) (GB)	(CAS-No.) 112-34-5 (EC-No.) 203-961-6 (EC Index-No.) 603-096-00-8 (REACH-no) 01-2119475104-44	0,1 – 1	Eye Irrit. 2, H319

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Perfume	(0,1 – 1	Skin Irrit. 2, H315
			Eye Irrit. 2, H319
			Skin Sens. 1, H317
			Aquatic Acute 1, H400
			Aquatic Chronic 2, H411

Specific concentration limits:				
Name	Product identifier	Specific concentration limits		
PHOSPHORIC ACID	(CAS-No.) 7664-38-2 (EC-No.) 231-633-2 (EC Index-No.) 015-011-00-6 (REACH-no) 01-2119485924-24	(10 ≤C < 25) Skin Irrit. 2, H315 (10 ≤C < 25) Eye Irrit. 2, H319 (25 ≤C < 100) Skin Corr. 1B, H314		

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention. IF exposed or

concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not

handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from heat, hot surfaces,

sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-(2-butoxyethoxy)ethanol (112-34-5)		
EU - Occupational Exposure Limits		
Local name	2-(2-Butoxyethoxy)ethanol	
IOELV TWA (mg/m³)	67,5 mg/m³	
IOELV TWA (ppm)	10 ppm	
IOELV STEL (mg/m³)	101,2 mg/m³	
IOELV STEL (ppm)	15 ppm	
Regulatory reference COMMISSION DIRECTIVE 2006/15/EC		
United Kingdom - Occupational Exposure Limits		
Local name	2-(2-Butoxyethoxy)ethanol	
WEL TWA (mg/m³)	67,5 mg/m³	
WEL TWA (ppm)	10 ppm	
WEL STEL (mg/m³)	101,2 mg/m³	
WEL STEL (ppm)	15 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

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ALCOHOLS C12-15 EETHOXYLED EO (2-5) (68439-50-9)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	2080 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	294 mg/m³	

thiourea (62-56-6)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	3,4 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	1 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	0,1 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	0,2 mg/m³	
Long-term - systemic effects, dermal	1,7 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0,01 mg/l	
PNEC aqua (marine water)	0,001 mg/l	
PNEC aqua (intermittent, freshwater)	0,038 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0,0725 mg/kg dwt	
PNEC sediment (marine water)	0,00725 mg/kg dwt	
PNEC (Soil)		
PNEC soil	2,725 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	0,38 mg/l	

PHOSPHORIC ACID (7664-38-2)		
DNEL/DMEL (Workers)		
Long-term - local effects, inhalation 2,92 mg/m³		
DNEL/DMEL (General population)		
Long-term - local effects, inhalation 0,73 mg/m³		

Citric acid (77-92-9)			
PNEC (Water)			
PNEC aqua (freshwater)	0,44 mg/l		
PNEC aqua (marine water)	0,044 mg/l		
PNEC (Sediment)			
PNEC sediment (freshwater)	34,6 mg/kg dwt		
PNEC sediment (marine water)	3,46 mg/kg dwt		
PNEC (Soil)			
PNEC soil	33,1 mg/kg dwt		
PNEC (STP)	PNEC (STP)		
PNEC sewage treatment plant	1000 mg/l		

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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:					
Protective gloves					
Туре	Material	Permeation	Thickness: (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.4mm		EN ISO 374

Eye protection:				
Protective goggles				
Туре	Use	Characteristics	Standard	
Safety glasses			EN 166	

Skin and body protection:		
Wear suitable protective clothing		
Туре	Standard	
	EN 13034	

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):







Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Colour : Blue.
Odour : characteristic.

Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapour pressure : No data available

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: No data available Relative vapour density at 20 °C : No data available Relative density : 1,04 g/cm³ +/-0.01 Density Solubility : completely miscible. Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties : Explosive when dry. Oxidising properties : No data available Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

thiourea (62-56-6)	
LD50 oral rat	2000 – 2500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rabbit	> 2800 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	> 0,195 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

PHOSPHORIC ACID (7664-38-2)	
LD50 oral	1530 mg/kg bodyweight
LD50 dermal	2740 mg/kg bodyweight

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Citric acid (77-92-9)	
LD50 oral	5400 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 4500 - 6400
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal	> 2000 mg/kg bodyweight

2-(2-butoxyethoxy)ethanol (112-34-5)	
LD50 oral rat	2410 – 5530 mg/kg
LD50 dermal rabbit	2764 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2090 - 3645
LD50 dermal	2764 mg/kg bodyweight

Skin corrosion/irritation : Not classified

pH: 1,8 - 2,2

Serious eye damage/irritation : Causes serious eye irritation.

pH: 1,8 - 2,2

: Not classified

Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

thiourea (62-56-6)	
NOAEL (animal/male, F0/P)	35 mg/kg bodyweight Animal: rat, Animal sex: male

STOT-single exposure : Not classified

thiourea (62-56-6)	
NOAEL (oral, rat, 90 days)	6,88 mg/kg bodyweight Animal: other:rat and mice

Citric acid (77-92-9)	
LOAEL (oral, rat, 90 days)	8000 mg/kg bodyweight Animal: rat
NOAEL (oral, rat, 90 days)	4000 mg/kg bodyweight Animal: rat

2-(2-butoxyethoxy)ethanol (112-34-5)	
, , , , ,	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

STOT-repeated exposure

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

(acute)

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Hazardous to the aquatic environment, long-term

: Harmful to aquatic life with long lasting effects.

(chronic)

thiourea (62-56-6)	
LC50 fish 1	10 g/l

PHOSPHORIC ACID (7664-38-2)	
EC50 other aquatic organisms 1	> 100 mg/l waterflea
EC50 other aquatic organisms 2	> 100 mg/l

Citric acid (77-92-9)	
TLM fish 1	<

2-(2-butoxyethoxy)ethanol (112-34-5)	
LC50 fish 1	1300 mg/l Test organisms (species): Lepomis macrochirus
EC50 Daphnia 1	> 100 mg/l Test organisms (species): Daphnia magna
EC50 other aquatic organisms 1	> 1000 mg/l waterflea
EC50 other aquatic organisms 2	> 100 mg/l
EC50 96h algae (1)	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

thiourea (62-56-6)	
Partition coefficient n-octanol/water (Log Pow)	-0,92

PHOSPHORIC ACID (7664-38-2)	
Partition coefficient n-octanol/water (Log Pow)	-0,77

Citric acid (77-92-9)	
Partition coefficient n-octanol/water (Log Pow)	-1,72

2-(2-butoxyethoxy)ethanol (112-34-5)	
Partition coefficient n-octanol/water (Log Pow)	0,56

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW) code : 20 01 29* - detergents containing dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not regulated	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not regulated	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not regulated	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not regulated	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not regulated	Not applicable	Not applicable
No supplementary information	n available			

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not regulated

Inland waterway transport

Not applicable

Rail transport

Not applicable

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Detergent Regulation : Labelling of contents:

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Component	%
non-ionic surfactants, amphoteric surfactants <5%	
perfumes	
BENZYL SALICYLATE	
HEXYL CINNAMAL	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
LC50	Median lethal concentration	
EC50	Median effective concentration	
LD50	Median lethal dose	
TLM	Median Tolerance Limit	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ATE	Acute Toxicity Estimate	
BLV	Biological limit value	
CAS-No.	Chemical Abstract Service number	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EN	European Standard	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	
WGK	Water Hazard Class	

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Training advice
Other information

- : Normal use of this product shall imply use in accordance with the instructions on the packaging.
- DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Acute toxicity (oral), Category 4
Hazardous to the aquatic environment — Acute Hazard, Category 1
Hazardous to the aquatic environment — Chronic Hazard, Category 2
Hazardous to the aquatic environment - Chronic Hazard Not classified
Carcinogenicity, Category 2
Serious eye damage/eye irritation, Category 1
Serious eye damage/eye irritation, Category 2
Corrosive to metals, Category 1
Reproductive toxicity, Category 2
Skin corrosion/irritation, Category 1B
Skin corrosion/irritation, Category 2
Skin sensitisation, Category 1
May be corrosive to metals.
Harmful if swallowed.
Causes severe skin burns and eye damage.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Causes serious eye irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.
Contains Perfume. May produce an allergic reaction.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Eye Irrit. 2	H319	Calculation method
Carc. 2	H351	Calculation method
Repr. 2	H361	Calculation method
Aquatic Chronic 3	H412	Calculation method

SDS EU (REACH Annex II)

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.