

Material Safety Data Sheet

SDS date: 16-11-2018

SDS version: 1.2

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

1.1. Product Identifier

Trade Name: Bistro Silver Cleaner

Product- no.: 400, 1600

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

Recommended uses: Silver polish.

Uses advised against: This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address

Sterling Polish Company A/S

Nybrovej 95

DK-2820 Gentofte

Tlf.: +45 45 87 70 44

www.sterlingpolish.dk

Contact person and E-mail:

Hans Rasmussen, hgr@sterlingpolish.dk

The Safety data sheet is completed and validated by:

mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: DH

1.4. Emergency telephone number

NHS: 111

Use your national or local emergency number - See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008): EUH208.

2.2. Label elements

-

Signal word:

-

Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction. (EUH208)

2.3. Other hazards

The product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs fx. liver and kidney.

Additional labelling:

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Additional warnings:

-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no./ REACH-Reg. no.	Cas / EINECS no.	CLP-classification	w/w%	Note
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	- / -	68585-47-7/ 271-557-7	Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Dam. 1;H318	5 < 10	1
Propan-2-ol	603-117-00-0 / -	67-63-0/ 200-661-7	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336	1-5	2
1,2-Benzisothiazolin-3-one	- / -	2634-33-5/ 220-120-9	Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Dam. 1;H318, Skin Sens. 1;H317, Aquatic Acute 1;H400, H410, M=10	<0,05	-

1 = Eye Irrit. 2: 10 % ≤ C < 20 %; Eye Dam. 1: C ≥ 20 %.

2 = The substance is an organic solvent.

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Seek fresh air. Keep victim under observation. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.

Skin contact: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

Eye contact: Flush with water (preferably using eye wash equipment) until irritation subsides. Remove contact lenses. Seek medical advice if symptoms persist.

Additional information: When obtaining medical advice, show the safety data sheet or label.
Symptoms: See section 11.

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

May cause slight irritation to the skin and eyes.

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

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

When obtaining medical advice, show the safety data sheet or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Surrounding fire: Extinguish with powder, foam or carbon dioxide. Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air. Hazardous fumes are formed in fire conditions. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

Fire fighters should wear appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains - See section 12.

6.3. Methods and material for containment and cleaning up

Wipe up minor spills with a cloth. See section 13 for instructions on disposal.

6.4. Reference to other sections

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment. Use the product under well-ventilated conditions. Running water and eye wash equipment should be available.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Store in a dry area.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Third edition, 2018):

Substance	Long-term exposure limit	Short-term exposure limit	Note
Propan-2-ol	400 ppm - 999 mg/m ³	500 ppm - 1250 mg/m ³	-

DNEL and PNEC values:

DNEL – Propan-2-ol:

Workers

Inhalation - Chronic Systemic 500 mg/m³
Dermal - Chronic Systemic 888 mg/kg bw/day

Consumers

Inhalation - Chronic Systemic 89 mg/m³
Dermal - Chronic Systemic 319 mg/kg bw/day
Oral - Chronic Systemic 26 mg/kg bw/day

According to EU regulation 1907/2006 (REACH)

PNEC - Propan-2-ol:

Fresh water	140.9 mg/L
Intermittent releases (Fresh water)	140.9 mg/L
Marine water	140.9 mg/L
Soil	28 mg/kg soil dw

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below. Wash hands before breaks, before using restroom facilities, and at the end of work. Do not eat, drink or smoke when using this product.

Personal protective equipment:

Respiratory protection:	Not required.
Hand protection:	Wear protective gloves made of nitrile rubber, butyl rubber.
Eye/face protection:	Not required.
Skin protection:	Not required.

Environmental exposure controls:

Make sure that when using the product damming material is available in immediate vicinity. If possible use spillage tray during work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Liquid/Creme
Odour:	-
Odour threshold:	-
pH:	-
Melting point/ Freezing Point (°C):	-
Initial boiling point and boiling range (°C):	-
Flash point (°C):	-
Evaporation rate:	-
Flammability (solid, gas)	-
Upper / lower flammability or explosion limits (vol-%):	-
Vapour pressure (mbar, 25 °C):	-
Vapour density (air=1)	-
Relative density:	-
Solubility(ies)	-
Partition coefficient: n-octanol/water:	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
Viscosity (mm ² /sek):	-
Explosive properties:	-
Oxidising properties:	-

9.2. Other information

Content of solids (%):	-
Surface tension (mN/m, 25 °C):	-

SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

No risk of hazardous reactions.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as CO_x may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Based on the existing data, the classification is not met.

Substance	Route of exposure	Species	Test	Result
Propan-2-ol	Oral	Rat	LD50	5,84 g/kg bw
Propan-2-ol	Inhalation	Rat	LC50 / 6 hours	ca. 5000 ppm
Propan-2-ol	Dermal	Rabbit	LD50	16.4 mL/kg bw

Skin corrosion/irritation: May irritate the skin – may cause reddening.

Serious eye damage/irritation: May cause eye irritation.

Respiratory or skin sensitisation: Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

Germ cell mutagenicity: Based on the existing data, the classification is not met.

Carcinogenicity: Based on the existing data, the classification is not met.

Reproductive toxicity: Based on the existing data, the classification is not met.

STOT-single exposure: The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

STOT-repeated exposure: Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

Aspiration hazard: Based on the existing data, the classification is not met.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Propan-2-ol	96 Hours	Fish	LC50	9640 mg/L
Propan-2-ol	24 Hours	Daphnia	EC50	> 10000 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Propan-2-ol	Yes	EU Method C.5	5 days: 53%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Propan-2-ol	No	0,05	-

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is not classified as hazardous waste according to Waste Management. Disposal of spillage and waste via the municipal waste collection service with the specifications below is recommended.

EWC Code

16 05 09

15 02 03

Specific labelling

-

Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

14.1 -14.4.

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14.5. Environmental hazards

-

14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

SECTION 15: Regulatory information

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

Sources:

EH40/2005 WELs (United Kingdom (UK), 8/2007).

Restrictions for application:

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Demands for specific education:

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Additional labelling:

Declaration in accordance to the EU regulation no. 648/2004:

5% or over but less than 15% anionic surfactants. Preservation agents (1,2-Benzisothiazolin-3-one).

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Other information:

Sources:

EC regulation 1907/2006 (REACH).

Directive 2000/532/EC.

EC Regulation 1272/2008 (CLP).

Full text of H-phrases as mentioned in section 2+3:

H225 - Highly flammable liquid and vapour.

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H400 - Very toxic to aquatic life.

EUH208 - Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

Classification according to Regulation (EC) Nr. 1272/2008:	
EUH208	Calculation method

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

According to EU regulation 1907/2006 (REACH)

Other

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

1-16 - Updates

This material safety data sheet replaces version:

1.1 (24-10-2017).
