

Material Safety Data Sheet

SDS date: 24-10-2017

SDS version: 1.1

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

1.1. Product Identifier

Trade Name: Bistro Copper & Brass Cleaner

Product- no.: 200, 1500

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

Recommended uses: Copper and brass cleaner.

1.3. Details of the supplier of the safety data sheet

Company and address

Sterling Polish Company A/S

Nybrovej 95

2820 Gentofte

Denmark

Tlf.: +45 45 87 70 44

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: HG

1.4. Emergency telephone number

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

The product is not subject to labelling under CLP Regulation No. 1272/2008.

2.2. Label elements

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Signal word:

-

2.3. Other hazards

-

Additional labelling:

-

Additional warnings:

-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no.	Cas / EINECS no.	CLP-classification	w/w%	Note
Citric acid	-	77-92-9/ 201-069-1	Eye Irrit. 2;H319	1-5	-
Aluminium oxide	-	1344-28-1/ 215-691-6	-	10-30	1
Quartz, non respirable	-	14808-60-7/ 238-878-4	-	5-10	1
Kaolin	-	1332-58 7 / 310-127-6	-	5-10	1

1 = The substance has a national exposure limit.

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Not relevant.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. Seek medical advice in case of discomfort.

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

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. Product decomposes in fire conditions and toxic gases such as CO_x may be released. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

Send contaminated extinguishing water for destruction. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment. Deployment personnel: normal protective clothing equivalent to EN 469 is recommended. Wear gloves.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains - see section 12. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers. Wipe up minor spills with a cloth. Rinse with water. 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.

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.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

Substance	Long-term exposure limit	Short-term exposure limit	Note
Aluminium oxide – inhalable dust	10 mg/m ³	-	-
Aluminium oxide – respirable dust	4 mg/m ³	-	-
Silica (Quartz) – inhalable dust	6 mg/m ³	-	-
Kaolin – respirable dust	2 mg/m ³	-	-

According to EU regulation 1907/2006 (REACH)

DNEL and PNEC values:

DNEL – Aluminium oxide:

Inhalation	Long Term	Systemic effects	Workers	15.63 mg/m ³
Inhalation	Long Term	Local effects	Workers	15.63 mg/m ³
Oral	Long Term	Systemic effects	General population	6.58 mg/kg bw/day

PNEC – Citric acid:

Water	Fresh	0.44 mg/L
Water	Marine	0.044 mg/L
Soil	-	33.1 mg/kg soil dw

DNEL – Aluminium oxide:

Water	Fresh	74.9 µg/L
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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 the work. Do not eat, drink or smoke when using this product.

Personal protective equipment:



Breathing equipment:	Not required.
Hand protection:	Plastic or rubber gloves recommended (EN 374).
Eye protection:	Wear safety goggles if there is a risk of contact with eyes.
Body and 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:	Creme
Odour:	-
Odour threshold:	-
pH:	5
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

Non-reactive.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

None known.

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

Substance	Route of exposure	Species	Test	Result
Citric acid	Oral	Rat	LD50	5400 mg/kg
Citric acid	Dermal	Rat	LD50	>2000 mg/kg
Aluminium oxide	Oral	Rat	LD50	> 10 000 mg/kg bw
Aluminium oxide	Inhalation	Rat	LC50 / 4 h	> 2.3 mg/L air

Symptoms:

Inhalation: The product does not release hazardous vapours.

Ingestion: Ingestion of large quantities may cause discomfort.

Skin contact: May cause slight irritation.

Eye contact: May cause eye irritation.

Long term effects:

None known.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Citric acid	48 h	Fish	LC50	440 mg/L
Citric acid	24 h	Daphnia	LC50	1535 mg/L
Aluminium oxide	96 h	Fish	LC50	0.078 - 0.108 mg/L
Aluminium oxide	48 h	Daphnia	LC50	3.69 mg/L
Aluminium oxide	72 h	Algae	EC50	0.346 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Citric acid	Yes	OECD Guideline 301 B	97% after 28 days

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Citric acid	No	-1,64	-

12.4. Mobility in soil

-

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

Contact the local authorities.

EWC Code

20 01 30

15 02 03

According to EU regulation 1907/2006 (REACH)

Specific labelling

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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

-

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

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Restrictions for application:

-

Demands for specific education:

-

Additional labelling:

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

Non-ionic surfactants < 5%, aliphatic hydrocarbons < 5%.

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).

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

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

H319 - Causes serious eye irritation.

Other

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Minor changes have been made in following sections:

1 – 16 - General update.

This material safety data sheet replaces version:

1.0 (01-06-2016)
