

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 30.05.2013

Revision: 30.05.2013

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

1.1 Product identifier

Trade name: **TWINKLE Silver Polish with anti-tarnish ingredient**

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

Application of the substance / the preparation Metal Cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Distributors:

Jelox SA

Chemin de Trabandan 28A

CH - 1006 Lausanne

Switzerland

Tel. +41 21 351 30 61

Jelox GmbH

Lebacher Strasse 4

D-66113 Saarbrücken

Germany

Tel. +49 681 996 35 52

Further information obtainable from:

info@twinklepolish.ch

info@twinklepolish.eu

1.4 Emergency telephone number:

Swiss Toxicological Information Centre (Tox)

+41 (0)44 251 51 51 (Short No: 145)

SECTION 2: Hazards identification

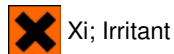
2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



Eye Irrit. 2 H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



R36: Irritating to eyes.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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Hazard pictograms

GHS07

Signal word Warning**Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Additional information:
 Labelling according to regulation (EC) No 648/2004 on detergents:
 soap 5% - 15%, non-ionic surfactants <5%, preservation agent (QUATERNIUM-15)
2.3 Other hazards No further relevant information available.**Results of PBT and vPvB assessment****PBT:** According to current knowledge, the product contains no PBT.**vPvB:** According to current knowledge, the product contains no vPvB.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterization:**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 66402-68-4	Aluminum Silicate Xi R36 Eye Irrit. 2, H319	25-50%
CAS: 584-08-7 EINECS: 209-529-3	potassium carbonate Xi R36/37/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2,5-5%
CAS: 68603-42-9	Cocamide DEA Xi R38-41 Eye Dam. 1, H318; Skin Irrit. 2, H315	1-2,5%
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO ₂) Xi R36 Eye Irrit. 2, H319	0,1-1%
CAS: 111-42-2 EINECS: 203-868-0	2,2'-iminodiethanol Xn R22-48/22; Xi R38-41 STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	0,1-1%

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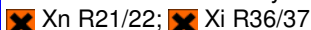
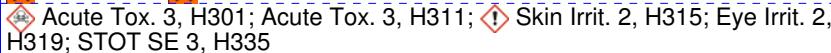
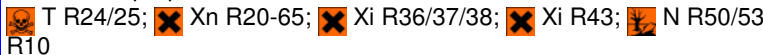
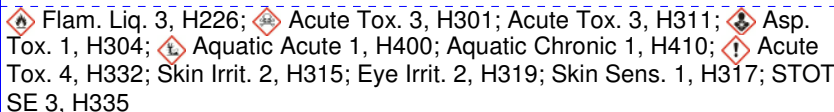
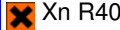
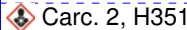
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CAS: 4080-31-3 EINECS: 223-805-0	Methenamine 3-chloroallylochloride  	≤ 0,1%
CAS: 542-75-6 EINECS: 208-826-5	1,3-dichloropropene  	≤ 0,1%
CAS: 75-09-2 EINECS: 200-838-9	dichloromethane  Carc. Cat. 3 	≤ 0,1%

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

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Move individual to fresh air, seek medical advice in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up: Pick up mechanically.

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6.4 Reference to other sections

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Avoid contact with skin, eyes and clothing.
Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep container tightly sealed.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

14808-60-7 Quartz (SiO₂)

MAK (Switzerland)	Long-term value: 0,15 a mg/m ³ P C ₁ SSc;
MAK (Germany)	alveolengängige Fraktion

111-42-2 2,2'-iminodiethanol

MAK (Switzerland)	Short-term value: 1 e mg/m ³ Long-term value: 1 e mg/m ³ H S SSc;
MAK (Germany)	Long-term value: 1E mg/m ³

4080-31-3 Methenamine 3-chloroallylochloride

MAK (Germany)	Long-term value: 2E mg/m ³ vgl.Abschn.Xc
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100-97-0 methenamine

MAK (Germany)	vgl.Abschn.IIb
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542-75-6 1,3-dichloropropene

MAK (Switzerland)	Long-term value: 0,5 mg/m ³ , 0,11 ppm H S C ₂ M ₃ ;
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75-09-2 dichloromethane

MAK (Switzerland)	Long-term value: 180 mg/m ³ , 50 ppm B C ₃ ;
AGW (Germany)	Long-term value: 260 mg/m ³ , 75 ppm 4(II);AGS

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Ingredients with biological limit values:
75-09-2 dichloromethane

BAT (Switzerland)	0,5 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Biol. Parameter: Dichlormethan
BGW (Germany)	5% Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Biol. Parameter: CO-Hämoglobin
	5% Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Co-Hb
	1 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Dichlormethan

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:
General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Protection of hands: Impervious protective gloves recommended.

Eye protection: Safety glasses recommended

Limitation and supervision of exposure into the environment

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information
Appearance:

Form:	Paste-like
Colour:	Dark blue
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: 10

Change in condition

Melting point/Melting range: Not determined.

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Boiling point/Boiling range:	Not determined.
Flash point:	Not determined.
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
<i>Lower:</i>	Not determined.
<i>Upper:</i>	Not determined.
Oxidizing properties	Not applicable.
Vapour pressure:	Not applicable.
Density:	Not determined.
Relative density	Not applicable.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Insoluble.
Partition coefficient (n-octanol/water):	Not applicable.
Viscosity:	
<i>Dynamic:</i>	Not applicable.
<i>Kinematic:</i>	Not applicable.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability No decomposition if used according to specifications.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Not applicable.

Primary irritant effect:

on the skin: No irritating effect.

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on the eye: Irritant**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

Repeated dose toxicity No further relevant information available.**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

No further relevant information available.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:** Based on the ingredients product is not classified as harmful for the environment.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** According to current knowledge, the product contains no PBT.**vPvB:** According to current knowledge, the product contains no vPvB.**12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods**Recommendation:** Smaller quantities can be disposed of with household waste.**Uncleaned packaging****Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

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14.5 Environmental hazards:**Marine pollutant:** No**14.6 Special precautions for user** Not applicable.**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.**Transport/Additional information:****ADR****Remarks:** Not classified**IMDG****Remarks:** Not classified**IATA****Remarks:** Not classified**UN "Model Regulation":** -

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**National regulations:****Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous to water.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The data and information given in this safety data sheet are based on the current state of our knowledge at the publishing date indicated in this safety data sheet. The safety data sheet shall give you indications for the safe handling, storage and use of the mentioned product, however the information included herein is not intended to be all-inclusive. The data and information can not be transferred to other products or other uses as the one declared in this safety data sheet. The data and information in this safety data sheet describe the safety requirements, but they do not represent any product specifications.

Relevant phrases

H226 Flammable liquid and vapour.
 H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H311 Toxic in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H351 Suspected of causing cancer.
 H373 May cause damage to organs through prolonged or repeated exposure.

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H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
R10	Flammable.
R20	Harmful by inhalation.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R24/25	Toxic in contact with skin and if swallowed.
R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R36/37/38	Irritating to eyes, respiratory system and skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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