

Material Safety Data Sheet

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according to regulation EC No. 1907/2006 (REACH) and regulation (EU) No. 2015/830

Print date: 08.03.23

Version: 1.3

Revision date: 12/23/22

1. Identification of the substance/mixture and of the company/undertaking

- 1.1 Product Identifier (trade name):** **WMF Purargan for silver**
UFI: TQ00-7098-M006-44YE
- 1.2 Relevant identified uses of mixture:** Silver cleanser
- 1.3 Details of the supplier of the MSDS:** Emil Bihler Chemische Fabrik GmbH+Co.KG
Heidenheimer Str. 52
D-73312 Geislingen (Steige)
Phone: +49 (0)7331 30490-0, Fax: -99, e-mail: info@emil-bihler.de
- 1.4 Emergency telephone number:** +49(0)30 19240 (Medical toxicology unit Berlin – only from Germany)
+49(0)171 2840295; Contact: Stephan Bihler
(Languages: german and english)

2. Hazards identification

2.1 Classification of mixture according to regulation EC 1272/2008:

Hazard classes	Hazard categories	Hazard statements
Flammable liquids	2	H225
Specific target organ toxicity (single exposure)	3	H336
Serious eye irritation	2	H319
Hazardous to the aquatic environment	4	H413

2.2 Label elements:

Hazard pictograms



Signal word: **ATTENTION**

Hazard statements: H319 Causes serious eye irritation.

Precautionary statements: P102 Keep out of reach of children
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face 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.

2.3 Other hazards:

May cause irritation in eyes and on mucous membrane. Not appropriately with designated use.
Keep locked up and out of reach of children. Wash hands after use.

3. Composition/information on ingredients

3.1 Substances: Not applicable.

3.2 Mixtures

Composition/ information on ingredients: Varnishing paste consisting of abrasives, anionics, nonionics, agents for metal care and protection, harmless additives

Hazardous ingredients:

CAS-No	Substance name	%	Classification according CLP
67-63-0	2-Propanol	5-15	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336
2917-26-2	1-Hexadecanethiol	<1	Eye Irrit. 2; Aquatic Chronic 4; H319; H413

4. First aid measures

4.1 Description of first aid measures

General informations: No special first help measures necessarily.

Point 4 is continued on page 2!

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After inhalation: Move exposed person to fresh air.
 After skin contact: Wash off with soap and plenty of water.
 After eye contact: Rinse immediately 10 min. with plenty of water also under the eyelids. If necessary consult a physician.
 After swallowing: Rinse mouth with water and drink plenty of it. If necessary consult a physician

4.2 The most important acute and delayed appearing symptoms and effects: No information available.
4.3 Indication of any immediate medical attention and special treatment needed: No information available.

5. Fire-fighting measures

5.1 Extinguishing media:

Suitable: Harmonize to environs.
 Unsuitable extinguishing media: Harmonize to environs.

5.2 Special hazards arising from the substance or mixture: May be flammable if used improperly (heated).
5.3 Advice for fire-fighters: No information available.

6. Accidental release measures

6.1 Personal precautions: Eye protection, hand protection. Do not inhale vapors/mist/gas. Ensure adequate ventilation.

6.2 Environmental precautions: Pay attention to waste legislation. Do not leave into surface or ground water.

6.3 Means for removal: Soak up with water.

6.4 Reference to other sections: See also sections 8 and 13

7. Handling and storage

7.1 Precautions for safe handling

Handling precautions: Wash after handling, especially before eating, drinking and smoking. Avoid eye contact. Keep away from children.

Protection against fire and explosion: Keep away from sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Technical protective measures: Keep containers firmly locked. Protect from heat.

Industrial hygiene: Keep away otherwise from foods, drinks and animal food.

Storage classification-Germany: not applicable **Fire classification:** not applicable

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

8. Exposure controls / Personal protection

Additional information on the design of technical systems: none

8.1 Control parameters: No further relevant information available.

CAS-No	Substance name	%	Type	Value	Unity
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8.2 Exposure controls

Working hygiene: Take care like handling other chemicals.

Respiratory protection: none
 Skin protection: Working with large quantities: protective gloves (EN 374, NBR >0,1 mm, >10 min.)
 Eye protection: Working with large quantities: Eye/face protection (EN 166)

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	paste		
Colour:	slightly yellow		
Odour:	characteristic		
Change:	melting point	0 °C	DIN 51583
	boiling temperature	appr. 100 °C	DIN 51751
pH value:	at 25°C	7-8	electrometer
Flash point:		>61 °C	EN 53
Ignition temperature:		no data	
Spontaneous ignition:		none	
Explosion hazard:		none	
Vapour pressure:	at 20°C	no data	mbar
Density:	at 20°C	1,1-1,2	g/cm ³
Index of refraction:	at 20°C	n.a.	
Solubility in	water	complete (suspension)	
	organic solvents	5-10	%
Viscosity:	at 20°C	no data (paste)	
Contents of solvents:	organic	5-10	%
	water	75-85	%
Contents of solids:	at 20°C	15-25	%

9.2 Other informations

none

10. Stability and reactivity

10.1 Reactivity: none

10.2 Chemical stability: stable

10.3 Possibility of hazardous reactions: No dangerous reactions known

10.4 Conditions to avoid: Do not mix with other cleaners or chemicals

10.5 Incompatible materials: not known

10.6 Hazardous decomposition products: not known

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Akute toxicity:	LD50-Value: >2000 mg/kg (rat)
Primary irritation effect on skin:	not irritant
Primary irritation effect after eye contact:	irritant
Sensitisation:	not known
Subacute and chronic toxicity:	not known
Mutagenicity/Carcinogenicity/Reproductive Toxicity:	not known

12. Ecological information

12.1 Toxicity:	With appropriate use no fish-toxic effects are to be expected.
12.2 Persistence and degradability:	Product is well biodegradable (according to the legal regulations)
12.3 Bioaccumulative potential	With the transport of small quantities in the drains no danger exists.
12.4 Mobility in soil:	Do not allow to get directly to soil and waters.
12.5 Results of PBT and vPvB assessment:	n.a.
12.6 Endocrine disrupting properties:	not known
12.7 Other adverse effects:	not known

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13. Disposal considerations**13.1 Waste treatment methods**

Product: Only dispose into drains according to the legal regulations.

Disposal key-Germany: 070699 / Bez.: Abfälle aus organ.-chem. Prozessen, Abfälle aus HZVA v. Waschmitteln

Uncleaned packagings: Only dispose clean containers. Cleaner: Water

Disposal key-Germany: 150102 / Bez.: Verpackungsabfall, Verpackungen aus Kunststoff

14. Transport information**14.1 Land transport (ADR/RID)**

Class / Kemler / UN / Packing group / Label / LQ: no regulations

14.2. Inland shipping no regulations

14.3 Sea transport (IMDG)

Class / UN / Packing group / Label / EMS / LQ no regulations

Marine pollutant:

14.4 Air transport (ICAO/IATA)

Class / UN / Packing group / Label / LQ: no regulations

14.5 Environmental hazards: not known

14.6 Special precautions for user no regulations

14.7 Maritime transport in bulk according to IMO: No transport in bulk according the IBC-Code.

Proper shipping name: none

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the mixture**

National regulations: (Germany):

Wassergefährdungsklasse: 1 (schwach wassergefährdend, Selbsteinstufung)

TA Luft: n.a.

VOC: 10% (98 g/L)

15.2 Chemical Safety Assessment

We currently have no information from our suppliers.

16. Other informations

Indication of changes: none

Relevant H-phrases of section 3 (number and full text):

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness .

H413 May cause long lasting harmful effects to aquatic life.

Abbreviations and acronyms:

See ECHA: Guidance on information requirements and chemical safety assessments, Chapter R.20 (List of terms and abbreviations).

This general description is based on the present state of our knowledge. It should describe our product in view of security requirements and do not have therefore the meaning to assure certain properties. We assume no liability for the completeness, correctness, accuracy and propriety of this information.