

# Material Safety Data Sheet

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According to 91/155/EEC

Printing date:11/05/09

Reviewed on: 15/09/08

## 1. Identification of substance

**Trade name:** WMF / SchaererLiquid descaling agent

**Use of the preparation:** Liquid descaling agent for coffee machines.

**Manufacturer:** WMF Aktiengesellschaft  
Eberhardstrasse  
D-73312 Geislingen (Steige)

Phone: +49 7331 251 Fax: -45387 e-mail: info@wmf.de

**Informing department:** Product safety department of manufacturer

**Emergency information:** +49 7331 251

## 2. Hazard identification

**Hazard designation:**  
none

**Information pertaining to particular dangers for man and environment:**  
Not necessarily while intended handling. Can affect attractive on eyes and mucous membrane.

## 3. Composition / Data on components

**Description:**  
Liquid cleaner consisting of anorganic acids with agents for metal protection.

**Dangerous components:**

CAS-No.	Designation	%	Index	R-phrases
5329-14-6	Sulfamic Acid	5-15	Xi	36/38-52/53
13598-36-2	Phosphonic Acid	<1	C	34

## 4. First aid measures

**General information:** none

**After inhalation:** none

**After skin contact:** Wash off with plenty of water.

**After eye contact:** Rinse immediately with plenty of water. If necessary consult a physician.

**After swallowing:** Rinse mouth with water and drink plenty of it. Consult a physician and show label or this paper. Do not supply vomiting.

## 5. Provision in case of fire

**Extinguishing media:** Harmonize to environs.

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

**Special risks:** none

**Special health protection:** none

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## 6. Spill or leak procedures

**Personal protective measures:** Eye protection

**Instructions for environment:** Pay attention to waste legislation. Do not leave into surface or ground water

**Means for removal:** Soak up with water.

## 7. Storage and handling

### Handling

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

**Protection against fire and explosion:** none

### Storage

**Technical protective measures:** Keep containers firmly locked.

**Industrial hygiene:** There are no restrictions in the locked original bundle

**Storage classification-Germany:** 3A (VCI)

**Fire classification-Germany:** not applicable

## 8. Limitation of exposure an personal protective equipment

**Further instructions for technical protective measures:** see under point 7

**Limiting values of components which have to be inspected by working:**

CAS-No.	Designation	%	Type	Value	Unity
none					

### Personal protective equipment

**Working hygiene:** Take care like handling other chemicals.

**Respiratory protection:** none

**Skin protection:** none

**Eye protection:** recommended

## 9. Physical and chemical data

**Form:** liquid  
**Colour:** colourless  
**Odour:** without any smell

Point 9 is continued on page 3!

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## 9. Physical and chemical data (continuation)

<b>Change:</b>	<b>melting point</b>	0 °C	DIN 51583
	<b>boiling temperature</b>	appr. 100 °C	DIN 51751
<b>pH value:</b>	at 20 °C	appr. 1	electrometer
<b>Flash point:</b>		n.a. °C	
<b>Ignition temperature:</b>		n.a.	
<b>Spontaneous ignition:</b>		none	
<b>Explosion hazard:</b>		none	
<b>Vapour pressure:</b>	at 20 °C	no data	mbar
<b>Density:</b>	at 20 °C	1,08	g/cm <sup>3</sup>
<b>Solubility in</b>	water	complete	
	organic solvents	<0,1 %	
<b>Viscosity:</b>	at 20 °C	30	mm <sup>2</sup> /s
			DIN 53211
<b>Contents of solvents:</b>	organic	<0,1 %	
	water	appr. 85 %	
<b>Contents of solids:</b>	at 20 °C	appr. 15 %	

## 10. Stability and reactivity data

**Conditions to be avoided:** Do not mix with other cleaners or chemicals.**Hazardous decomposition products:** none

## 11. Information on toxicity

<b>Akute toxicity:</b>	LD50-Value: None information known.
<b>Primary irritation effect on skin:</b>	not irritant
<b>Primary irritation effect after eye contact:</b>	slightly irritant
<b>Allergic effects:</b>	None information known.
<b>Further toxicological informations:</b>	None information known about causing cancer and influences on inheritance.

## 12. Information on ecological effects

**Relevant components of formulation:** sulphamic acid

Components of product get biologically decomposed according to the legislation. The product is declared as weakly endangered to water. Using the product appropriate, there will be no influence to fish toxicity.

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## 13. Waste disposal

### Product

**Recommendation:** Only dispose into drains according to waste legislation.

### Package

**Recommendation:** Only dispose clean containers. Cleaner: water

## 14. Transport

### Transport on land

**ADR/RID-class/number/character:** no regulations

**UN No.:**

**Designation:**

### Transport on sea

**IMDG-code/page:** no regulations

**UN No.:**

**Code of package:**

**EMS No.:**

**MFAG:**

### Transport by flight

**IATA Code:** no regulations

**UN/ID-No.:**

**Technical name:**

## 15. Regulations

### Regulations according EC

**Danger symbol:**

**Components which designate danger symbol:**

none  
glycoles, terpenes

**R-phrases:** none

**S-phrases:** S (1/2) Keep under catch and for children inaccessible.

### National regulations

**Regulation for Switzerland:** BAG T 671184; Toxic Class: 5

## 15. Further information

**Safety-relevant changes:** 15. Regulation for Switzerland

**R-Sätze der Inhaltsstoffe:** 36/38 Irritant to eyes and skin.  
52/53 Harmful for water organisms. In waters there may be harmful effects while longer term.  
34 Causes caustic deseases.

This general description of the product serves to improve the safety information based on our present knowledge. It does not include assurance of certain properties.