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# Safety data sheet according to 1907/2006/EC, Article 31

Printing date 16.01.2018 Version 8 Revision: 16.01.2018

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

· 1.1 Product identifier

· Trade name: Unimatic-F Teil 1

· Article number: 10094

• 1.2 Relevant identified uses of the substance or mixture and uses advised against
To this day we do not have any information about the identified use at the moment. These data are
available we will add these to the safety data sheet.

· Application of the substance / the mixture

Photochemicals

Fixing agent for X-ray films

Reserved for industrial and professional use.

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Calbe Chemie GmbH

Stadtfeld 31 D-39240 Calbe

Tel.: +49 (0)39291 425-0 Fax: +49 (0)39291 425-25 e-mail: info@calbe-chemie.de

www.calbe-chemie.de

· Informing department:

Tel.: +49 (0)39291 42515 E-Mail: kr@calbe-chemie.de

· 1.4 Emergency telephone number: Tel.: 0700-24112112 (CAL)

#### **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · Additional information:

EUH210 Safety data sheet available on request.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

### **SECTION 3: Composition/information on ingredients**

- · 3.2 Mixtures
- **Description:** Mixture of the substances listed below with harmless additions.

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· Dangerous components:		
CAS: 64-19-7 EINECS: 200-580-7 Index number: 607-002-00-6 Reg.nr.: 01-2119475328-30-xxxx	acetic acid Flam. Liq. 3, H226 Skin Corr. 1A, H314 Acute Tox. 4, H312	2-5%
CAS: 7783-18-8 EINECS: 231-982-0 Reg.nr.: 01-2119537325-41-xxxx	ammonium thiosulphate	50-75%
CAS: 7757-83-7 EINECS: 231-821-4 Reg.nr.: 01-2119537420-49-xxxx	sodium sulphite	2-5%
CAS: 10043-35-3 EINECS: 233-139-2 Index number: 005-007-00-2 Reg.nr.: 01-2119486683-25-xxxx	boric acid Repr. 1B, H360FD	<0.5%
·SVHC		•
10043-35-3 boric acid		

· Additional information For the wording of the listed hazard phrases refer to section 16.

### **SECTION 4: First aid measures**

- · 4.1 Description of first aid measures
- · General information

Personal protection for the First Aider. Instantly remove any clothing soiled by the product.

- · After inhalation Supply fresh air.
- · After skin contact The product is not skin irritating.
- · After eye contact

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

· After swallowing

Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

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

- No known symptoms to date.
- 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, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use fire fighting measures that suit the environment.

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- · For safety reasons unsuitable extinguishing agents Water with a full water jet.
- · 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire sulphur dioxide (SO2) Nitrogen oxides (NOx)

- · 5.3 Advice for firefighters
- · Protective equipment:

Do not inhale explosion gases or combustion gases.

At formation of toxic gases:

Put on breathing apparatus.

· Additional information The product is not flammable

### **SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- 6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· 6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### **SECTION 7: Handling and storage**

· 7.1 Precautions for safe handling

The lists that were valid during the compilation were used as basis.

Information about protection against explosions and fires:

No special measures required.

The product is not flammable

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and containers: No special requirements.
- Information about storage in one common storage facility:

Keep away from foodstuffs, beverages and food.

- Further information about storage conditions: Store in a cool place.
- · Recommended storage temperature: 5-25 °C
- · Storage class

LGK 12

(German Technical Rule for Hazardous Substance – TRGS 510)

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

### **SECTION 8: Exposure controls/personal protection**

· Additional information about design of technical systems: No further data; see section 7.

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- · 8.1 Control parameters
- · Components with limit values that require monitoring at the workplace:
- · Additional information: The lists that were valid during the compilation were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment
- · General protective and hygienic measures

The usual precautionary measures should be adhered to general rules for handling chemicals.

- · Breathing equipment: Not required.
- · Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Synthetic gloves

Avoid natural rubber gloves.

· Penetration time of glove material

Value for permeation: Level ≤ 6 (480 min)

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

· As protection from splashes gloves made of the following materials are suitable:

Synthetic gloves

Value for permeation: Level:

 $\geq$  3 (60 min)

· Eye protection: Not required.

### **SECTION 9: Physical and chemical properties**

- · 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Fluid
Colour: Colourless
Odour: Not characteristic

• **pH-value at 20 °C:** 5.2

· Change in condition

Melting point/freezing point:  $< 5 ^{\circ}$ C Initial boiling point and boiling range:  $> 100 ^{\circ}$ C

· Flash point: Not applicable

· **Self-inflammability:** Product is not selfigniting.

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· Explosive properties:	Product is not explosive.	
· Vapour pressure at 20 ℃:	23 hPa	
· Density at 20 ℃	1.345 g/cm <sup>3</sup>	
· Solubility in / Miscibility with		
Water:	miscible	
· Viscosity:		
dynamic:	Not determined	
kinematic:	Not determined	
· Solvent content:		
Organic solvents:	3.2 %	
Water:	~ 40 %	
· 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
- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

Reacts with strong acids and alkali

Reacts with acids releasing sulphur dioxide

Reacts with alkalis releasing ammonia

- 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 Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:			
64-19-7 a	acetic aci	id	
Oral	LD50	3310 mg/kg (rat)	
Dermal	LD50	1060 mg/kg (rabbit)	
7783-18-	8 ammon	nium thiosulphate	
Oral	LD50	1098 mg/kg (gpg)	
		2890 mg/kg (rat)	
7757-83-	7 sodium	n sulphite	
Oral	LD50	2610 mg/kg (rat)	
		· · · · · · · · · · · · · · · · · · ·	(Contd. on page 6)

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Inhalative LC50/4 h > 5.5 mg/l (rat)

- · Primary irritant effect:
- · Skin corrosion/irritation
- · Serious eye damage/irritation mild irritant
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Subacute to chronic toxicity: No known symptoms to date.
- · Additional toxicological information:

At present there are no animal experimental data.

This statement was deduced from the properties of the single components.

- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

### **SECTION 12: Ecological information**

· 12.1 Toxicity

· Aquatic toxicity:	· Aquatic toxicity:		
64-19-7 acetic ac	d		
LC50/96 h	LC50/96 h 75 mg/l (Lepomis macrochirus)		
7757-83-7 sodium	7757-83-7 sodium sulphite		
EC50/48 h (static)	59 mg/l (Daphnia magna)		
LC50/96 h (static)	316 mg/l (fish)		

- 12.2 Persistence and degradability Not determined
- · 12.3 Bioaccumulative potential Not determined
- · Behaviour in environmental systems: Not determined
- 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects: Not determined
- · Behaviour in sewage processing plants: Not determined
- · Additional ecological information:
- General notes:

At present there are no ecotoxicological assessments.

This statement was deduced from the properties of the single components.

Water hazard class 1 (German Regulation) (Self-assessment): Weakly water-endangering.

The product does not contain organically bounded halogens (AOX-free).

- 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

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• 12.6 Other adverse effects No further relevant information available.

### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

· European waste catalogue

09 01 04\* fixer solutions

- · Uncleaned packagings:
- Recommendation:

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product. EAK-No. 15 01 10

· Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information	n
· 14.1 UN-Number · ADR/RID, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR/RID · ADN, IMDG, IATA	Void Void
· 14.3 Transport hazard class(es)	
· ADR/RID, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR/RID, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
<ul> <li>14.7 Transport in bulk according to An of Marpol and the IBC Code</li> </ul>	nex II  Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

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### **SECTION 15: Regulatory information**

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 65
- · National regulations

Class	Share in %
II	3.2

- · Water hazard class: Water hazard class 1 (Self-assessment): weakly water-endangering.
- · Other regulations, limitations and prohibitive regulations
- · Substances of very high concern (SVHC) according to REACH, Article 57 10043-35-3 boric acid
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Relevant phrases

Flammable liquid and vapour. H226

Harmful in contact with skin. H312

Causes severe skin burns and eye damage.

H360FD May damage fertility. May damage the unborn child.

- · Recommended restriction of use No public product, only for commercial use
- Department issuing data specification sheet:

Laboratory

Tel.: +49 (0)39291 425-15

#### · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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 Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative

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Flam. Liq. 3: Flammable liquids - Category 3

Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Repr. 1B: Reproductive toxicity – Category 1B

applicable EEC directives:

- 1907/2006
- 1272/2008

Internal physical tests, MSDS of the ingredients, Information system on hazardous substances of the German Social Accident Insurance (GESTIS-database on hazardous substances), http://www.dguv.de/ifa/en/gestis/stoffdb/index.jsp

· \* Data compared to the previous version altered.

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

· 1.1 Product identifier

· Trade name: Unimatic-F Teil 2

· Article number: 10094

• 1.2 Relevant identified uses of the substance or mixture and uses advised against
To this day we do not have any information about the identified use at the moment. These data are
available we will add these to the safety data sheet.

· Application of the substance / the mixture

Photochemicals

Fixing agent for X-ray films

Reserved for industrial and professional use.

· 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Calbe Chemie GmbH

Stadtfeld 31 D-39240 Calbe

Tel.: +49 (0)39291 425-0 Fax: +49 (0)39291 425-25 e-mail: info@calbe-chemie.de

www.calbe-chemie.de

· Informing department: Tel.: +49 (0)39291 42515

Tel.: +49 (0)39291 42515 E-Mail: kr@calbe-chemie.de

· 1.4 Emergency telephone number: Tel.: 0700-24112112 (CAL)

#### **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

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

· Hazard pictograms



GHS05

- · Signal word Danger
- · Hazard-determining components of labelling: aluminium sulphate

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· Hazard statements

H318 Causes serious eye damage.

· Precautionary statements

P280 Wear 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.

P390 Absorb spillage to prevent material damage.

P501 Dispose of contents/container in accordance with local/regional/national/

international regulations.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.

### **SECTION 3: Composition/information on ingredients**

· 3.2 Mixtures

· Description: Mixture of the substances listed below with harmless additions.

· Dangerous components:		
CAS: 10043-01-3	aluminium sulphate	15-20%
EINECS: 233-135-0	Eye Dam. 1, H318	
Reg.nr.: 01-2119531538-36-xxxx		
CAS: 7664-93-9	sulphuric acid	≥2-<5%
EINECS: 231-639-5	♦ Skin Corr. 1A, H314	
Index number: 016-020-00-8	•	
Reg.nr.: 01-2119458838-20-xxxx		
01-2119969649-13-xxxx		

· Additional information For the wording of the listed hazard phrases refer to section 16.

### **SECTION 4: First aid measures**

#### · 4.1 Description of first aid measures

· General information

Personal protection for the First Aider.

Instantly remove any clothing soiled by the product.

· After inhalation Supply fresh air.

· After skin contact

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eve contact

Rinse opened eye for several minutes under running water (> 15 min). Then consult doctor.

· After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

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• 4.2 Most important symptoms and effects, both acute and delayed No known symptoms to date.

• 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, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use fire fighting measures that suit the environment.

- For safety reasons unsuitable extinguishing agents Water with a full water jet.
- · 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire

Sulphur oxides (SOx)

- 5.3 Advice for firefighters
- · Protective equipment:

Do not inhale explosion gases or combustion gases.

At formation of toxic gases:

Put on breathing apparatus.

· Additional information The product is not flammable

### **SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- 6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.

· 6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### **SECTION 7: Handling and storage**

· 7.1 Precautions for safe handling

Keep containers tightly sealed.

Absorb spillage to prevent material damage.

Information about protection against explosions and fires:

No special measures required.

The product is not flammable

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and containers: Store only in the original container.

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· Information about storage in one common storage facility:

Do not store together with alkalis (caustic solutions).

Keep away from foodstuffs, beverages and food.

- · Further information about storage conditions: Store in a cool place.
- · Recommended storage temperature: 5-25°C
- · Storage class

**LGK 12** 

(German Technical Rule for Hazardous Substance – TRGS 510)

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

### **SECTION 8: Exposure controls/personal protection**

- · Additional information about design of technical systems: No further data; see section 7.
- · 8.1 Control parameters
- · Components with limit values that require monitoring at the workplace:

10043-01-3 aluminium sulphate

WEL Long-term value: 2 mg/m<sup>3</sup>

- · Additional information: The lists that were valid during the compilation were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment
- General protective and hygienic measures

The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Do not eat, drink or smoke while working.

Take off immediately all contaminated clothing.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

- Breathing equipment: Not required.
- · Protection of hands:

Protective gloves.

The protective gloves to be used must comply with the specifications of the EC directive 89/686/ EEC and the resultant standard EN 374.

This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.

Only use chemical-protective gloves with CE-labelling of category III.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

Thickness Breakthrough time (mm)

 (mm)
 (min)

 Nitril rubber
 0,38
 > 480

 Neoprene
 0,65
 > 240

 Butyl rubber
 0,36
 > 480

Avoid natural rubber gloves.

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As protection from splashes gloves made of the following materials are suitable:

Synthetic gloves

Value for permeation: Level:

 $\geq$  3 (60 min)

· Eye protection: Safety glasses

· Body protection: Protective work clothing.

### **SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid
Colour: Colourless
Odour: Odourless

· pH-value at 25 °C: < 1

· Change in condition

Melting point/freezing point: < 5 °C Initial boiling point and boiling range: > 100 °C

Flash point: Not applicableSelf-inflammability: Product is not selfigniting.

Explosive properties: Product is not explosive.
 Vapour pressure at 20 °C: 23 hPa

• Vapour pressure at 20 °C: 23 hPa
 • Density at 25 °C 1.127 g/cm³

· Solubility in / Miscibility with

Water:

· Viscosity:
dynamic:
Not determined

• 9.2 Other information No further relevant information available.

miscible

Not determined

### **SECTION 10: Stability and reactivity**

- 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability

kinematic:

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions Reacts with light alloys to form hydrogen
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.

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· 10.6 Hazardous decomposition products: No dangerous decomposition products known

### **SECTION 11: Toxicological information**

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.
- · Primary irritant effect:
- · Skin corrosion/irritation
- · Serious eye damage/irritation

Causes serious eye damage.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Subacute to chronic toxicity: No known symptoms to date.
- · Additional toxicological information:

This statement was deduced from the properties of the single components.

- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

### **SECTION 12: Ecological information**

- · 12.1 Toxicity
- · Aquatic toxicity: Not determined
- · 12.2 Persistence and degradability Not determined
- · 12.3 Bioaccumulative potential Not determined
- · Behaviour in environmental systems: Not determined
- 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects: Not determined
- · Behaviour in sewage processing plants: Not determined
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): Weakly water-endangering.

The product does not contain organically bounded halogens (AOX-free).

At present there are no ecotoxicological assessments.

This statement was deduced from the properties of the single components.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

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• 12.6 Other adverse effects No further relevant information available.

### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

· European waste catalogue

09 01 04\* fixer solutions

- · Uncleaned packagings:
- Recommendation:

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

· Recommended cleaning agent: Water, if necessary with cleaning agent.

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UN 3264
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHURIC ACID)
8 Corrosive substances.
8
III
No
Warning: Corrosive substances.
Warning. Corrosive substances.
80 F-A,S-B

- GE



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44.7 Turnen aut in built accounting to Au	(Contd. of pag
<ul> <li>14.7 Transport in bulk according to An of Marpol and the IBC Code</li> </ul>	Not applicable.
· Transport/Additional information:	
· ADR/RID	
· Limited quantities (LQ)	51
Transport category	3
· Tunnel restriction code	E
· Remarks:	"Limited quantity" according to chapter 3.4 ADR
·IMDG	
· Limited quantities (LQ)	51
· Remarks:	"Limited quantity" according to chapter 3.4 IMDG
· IATA	
· Remarks:	Packing Instruction
	PAX 852, CAO 856
· UN "Model Regulation":	UN 3264 CORROSIVE LIQUID, ACIDIC,
-	INORGANIC, N.O.S. (SULPHURIC ACID), 8, III

### **SECTION 15: Regulatory information**

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · National regulations
- · Water hazard class: Water hazard class 1 (Self-assessment): weakly water-endangering.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

- · Recommended restriction of use No public product, only for commercial use
- · Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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#### · Department issuing data specification sheet:

Laboratory

Tel.: +49 (0)39291 425-15

### · 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 Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Corr. 1A: Skin corrosion/irritation – Category 1A Eye Dam. 1: Serious eye damage/eye irritation – Category 1

#### · Sources

applicable EEC directives:

- 1907/2006
- 1272/2008

Internal physical tests, MSDS of the ingredients, Information system on hazardous substances of the German Social Accident Insurance (GESTIS-database on hazardous substances), http://www.dguv.de/ifa/en/gestis/stoffdb/index.jsp

· \* Data compared to the previous version altered.

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