

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 1

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

#### 1.1 Product identifier

**Identification / trade name:** Art. 4750, WAFA-EX  
**REACH registration number:** not notifiable  
**UFI:** 4S3C-2PH4-FE0X-SYED

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

**Use of the substance / mixture:**

Wall paint dissolving agent

#### 1.3 Details of the supplier of the safety data sheet

**Supplier / Manufacturer:** HWR-CHEMIE GmbH  
Moosfeldstrasse 7  
D-82275 Emmering

**Telephone:** 0049-8141-51030  
**Telefax:** 0049-8141-510355  
**E-mail:** info@hwr-chemie.de

**E-mail (competent person):** infoSDB@hwr-chemie.de  
**Information contact:** Laboratory

#### 1.4 Emergency phone

**Emergency phone Germany:** 0049-8141-51030 (only during office hours)  
**Emergency phone Austria:** 0043 1 406 43 43 (poison information centre)

### SECTION 2. Hazards identification

#### 2.1 Classification of the substance or mixture

**Regulation (EC) No 1272/2008**

Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H336

#### 2.2 Label elements

**Regulation (EC) No 1272/2008**

**Hazard pictograms**



**Signal word:** Danger.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 2

### Hazard components for labeling

Gamma-Butyrolactone and 2-Butoxy-ethanol

### Hazard statements

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

### Precautionary statements

P280 Wear protective gloves and 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.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER / doctor if you feel unwell.

P501 Dispose of contents/container at hazardous or special waste collection point.

### 2.3 Other hazards

The substances in this mixture do not meet the PBT/vPvB criteria of REACH, annex XIII.

The substances in this mixture do not have any endocrine disrupting properties.

## SECTION 3. Composition / information on ingredients

### 3.1 Substances

This product is a mixture.

### 3.2 Mixtures

#### Chemical characterization

Mixture of water soluble solvents and thickening agents.

#### Hazardous ingredients

50 - 65 % Gamma-Butyrolactone, EG 202-509-5, CAS 96-48-0, Acute Tox. 4, H302; Eye Dam. 1, H318; STOT SE 3, H336

5 - 15 % 2-Butoxy-ethanol, EG 203-905-0, CAS 111-76-2, Acute Tox. 4, H302, H312, H332; Skin Irrit. 2, H315; Eye Irrit. 2; H319

5 - 15 % 2-(2-Butoxyethoxy)-ethanol, EG 203-961-6, CAS 112-34-5, Eye Irrit. 2, H319

#### Additional information

Full text of hazard classes and H-phrases: see section 16

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 3

### SECTION 4. First aid measures

#### 4.1 Description of first aid measures

- General informations:** In case of persistent symptoms seek medical advice. Remove contaminated clothing. In case of unconsciousness place patient into stable side position for transportation. Never give fluids or induce vomiting if patient is unconscious or is having convulsions.
- In case of inhalation:** Provide affected person with fresh air and seek medical advice depending on the symptoms.
- In case of skin contact:** Contaminated, soaked clothing should be immediately removed. Wash skin thoroughly with soap and water.
- In case of eye contact:** Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
- In case of ingestion:** Rinse mouth immediately and then drink plenty of water. Do not induce vomiting. Seek medical advice at once. In case of spontaneous vomiting hold the head of the casualty low with the body in a prone position in order to avoid aspiration.

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

Dizziness, headache. Contact with eyes may cause reddening, running eyes and smarting pain. Ingestion may result in nausea and stomach pain. Skin contact may cause irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment (decontamination, vital functions), no known specific antidote.

### SECTION 5. Fire-fighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:** Water spray jet / alcohol resistant foam / CO<sub>2</sub> / dry extinguishing powder

**Unsuitable extinguishing media:** Full water jet.

#### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.  
In case of fire may be liberated: carbon oxides.

#### 5.3 Advice for fire-fighters

Cool closed containers exposed to fire with water spray jet.  
Special protective equipment: Wear full protective suit with self-contained breathing apparatus.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 4

### SECTION 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation and contact with skin and eyes. Wear protection equipment.

#### 6.2 Environmental precautions

Large quantities of spills should be contained by. Do not allow to enter undiluted into surface water or drains.

#### 6.3 Methods and material for containment and cleaning up

Absorb with an absorbent material and dispose of according to local regulations.

#### 6.4 Reference to other sections

Observe protective measures in sections 8 and disposal considerations in section 13.

### SECTION 7. Handling and Storage

#### 7.1 Precautions for safe handling

##### Advices on safe handling

Wear protective clothing. Open carefully and keep container closed when not in use.

Use only in well-ventilated areas or provide local extraction.

General hygiene measures:

- Eating, drinking or smoking is prohibited in areas, where work is performed.
- Wash your hands after use.
- Take off contaminated clothing and protective equipment before entering eating areas.

##### Precautions against fire and explosion

Flammable vapour/air-mixtures may be formed. Keep away from sources of ignition - No smoking.

Ground/bond container and receiving equipment.

Use only spark-/explosionproof appliances in danger zones.

Take precautionary measures against static discharges.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed in a cool and well-ventilated place. Store locked up.

Storage compatibility and limitations according to TRGS 510 must be observed.

#### 7.3 Specific end uses

Observe product information sheet.

eCI@ss (8.0): 30-02-16-90

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 5

### SECTION 8. Exposure controls / Personal protection

#### 8.1 Control parameters

##### Workplace exposure limits according to TRGS 900

Substances: 2-Butoxyethanol

Occupational exposure limit: 10 ppm, 49 mg/m<sup>3</sup>

Top limiting and exceedance factor: 2 (I)

Notes: H, Y, DFG, EU

Substances: 2-(2-Butoxyethoxy)ethanol

Occupational exposure limit: 10 ppm, 67 mg/m<sup>3</sup>

Top limiting and exceedance factor: 1,5 (I)

Notes: DFG, Y, EU, 11

##### Biological limits according to TRGS 903

Substances: 2-Butoxyethanol

Parameters: Butoxyessigsäure (nach Hydrolyse)

Biological limit value: 150 mg/l

Test material and sampling time: U b, c

##### Community workplace exposure limits

Substances: 2-Butoxyethanol

EU limits (8h): 98 mg/m<sup>3</sup>, 20 ppm

EU limits (Short-term): 246 mg/m<sup>3</sup>, 50 ppm

Notes: Haut

Substances: 2-(2-Butoxyethoxy)ethanol

EU limits (8h): 67.5 mg/m<sup>3</sup>, 10 ppm

EU limits (Short-term): 101.2 mg/m<sup>3</sup>, 15 ppm

#### 8.2 Exposure controls / Personal protection equipment

##### Appropriate engineering controls

See section 7. No additional measures necessary.

##### Personal protection equipment

**Respiratory protection:** In case of excessive vapours wear a respirator mask filter A2.

**Hand protection:** Tested gloves with breakthrough time  $\geq$  8 hours made from NBR (0.35 mm) or FKM (0.4 mm)

**Eye protection:** use safety goggles

**Protective clothing:** usual work clothes

##### General health and safety measures

Respect good personal hygiene. Do not drink, eat or smoke while handling.

##### Environmental exposure controls

See section 6 and 7.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 6

### SECTION 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General information

|                                    |                               |
|------------------------------------|-------------------------------|
| Physical state:                    | liquid                        |
| Colour:                            | colourless                    |
| Odour:                             | characteristic                |
| pH value (undiluted):              | approx. 4.5                   |
| pH value (1 %):                    | approx. 6.5                   |
| Melting point/Freezing point (°C): | approx. -30                   |
| Boiling temperature (°C):          | 100 - 230                     |
| Flashpoint (°C):                   | > 100                         |
| Flammability (solid, gas):         | not applicable                |
| Lower explosion limit:             | not determined                |
| Upper explosion limit:             | not determined                |
| Vapour pressure (hPa):             | not determined                |
| Relative vapor density:            | not determined                |
| Density (20 °C):                   | approx. 1.00                  |
| Solubility:                        | completely mixable with water |
| Partition coefficient (KOW):       | not determined                |
| Ignition temperature:              | not determined                |
| Decomposition temperature:         | not determined                |
| Dynamic viscosity (mPas):          | approx. 500                   |
| Particle properties:               | not applicable                |

#### 9.2 Other information

##### Other safety characteristics

No other physical and chemical data has been recorded.

### SECTION 10. Stability and Reactivity

#### 10.1 Reactivity

Mixture of solvents, no particular reactivity expected.

#### 10.2 Chemical stability

Stable under the specified storage conditions.

#### 10.3 Possibility of hazardous reactions

There are expected no hazardous reactions for intended use.

#### 10.4 Conditions to avoid

Avoid heat, direct sunlight, electrostatic discharges and sparks.  
Note the information about handling and storage in section 7.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 7

### 10.5 Incompatible materials

Different plastics can be attacked.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11. Toxicological information

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

#### Acute toxicity

Butyrolactone

LD50 oral = 1582 mg/kg body weight (rat) (OECD 401)

2-Butoxy-ethanol

LD50 oral > 300-2000 mg/kg body weight (rat) (literature)

LD50 dermal = 490 mg/kg body weight (rat) (literature)

LC50 inhalative (4h) = 2-20 mg/l (rat) (literature)

The European Union (EU) has classified this substance as 'harmful'.

Acute Toxicity Estimate of the mixture:

ATE mix (oral) < 2000 mg/kg body weight

ATE mix (dermal) > 2000 mg/kg body weight

ATE mix (inhalative, vapour) > 20 mg/l

#### Skin Corrosion / Irritation

Mixture is classified as irritating to the skin.

#### Serious Eye Damage / Irritation

Mixture causes serious eye damage.

#### Sensitisation

Mixture does not contain any sensitising substances.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mixture does not contain any substances which are classified as carcinogenic, mutagenic or toxic for reproduction.

#### Specific target organ toxicity (single exposure)

May cause drowsiness or dizziness.

#### Specific target organ toxicity (repeated exposure)

Mixture does not contain any substances with specific target organ toxicity (repeated exposure).

#### Aspiration hazard

Not classified. Mixture does not contain any hydrocarbons.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 8

### 11.2 Information on other hazards

#### Endocrine disrupting properties

This mixture does not contain any substances which are identified as endocrine disrupting.

#### Other information

No further data available.

## SECTION 12. Ecological information

The available data refer to the substances in the mixture. The mixture as a whole has not been tested.

### 12.1 Toxicity

This mixture does not contain any substances classified as dangerous for the environment.

### 12.2 Persistence and degradability

Butyrolactone

Readily biodegradable (77%, OECD 301C)

2-Butoxy-ethanol

Readily biodegradable (90%, OECD 301B)

2-(2-Butoxyethoxy)-ethanol

Fast photochemical oxidation in the air. Readily biodegradable (>90%, OECD 301E).

### 12.3 Bioaccumulative potential

Butyrolactone

No further relevant information available.

2-Butoxy-ethanol

Not expected to bioaccumulate.

2-(2-Butoxyethoxy)-ethanol

Not expected to bioaccumulate.

### 12.4 Mobility in soil

Butyrolactone

No further relevant information available.

2-Butoxy-ethanol

Absorption to solid soil phase is not expected. Substance is not volatile.

2-(2-Butoxyethoxy)-ethanol

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances which are identified as PBT or vPvB.

### 12.6 Endocrine disrupting properties

This mixture does not contain any substances which are identified as endocrine disrupting.

### 12.7 Other adverse effects

The mixture does not contain any substances which are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.



# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 9

### SECTION 13. Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation

Cleaning concentrates should not be disposed of via wastewater. Hazardous waste according to European list of wastes. Dispose of in accordance with local, official regulations.

##### Waste codes/waste designations according to EWC

20 01 13 (Solvents)

#### Packaging

##### Contaminated package

Hazardous waste according to European list of wastes. Dispose of in accordance with local, official regulations. Waste code 15 01 10 (packaging containing residues of or contaminated by hazardous substances)

##### Cleaned package

Non contaminated and clean packagings can be used for recycling.

### SECTION 14. Transport information

#### 14.1 UN number or ID number

not applicable

#### 14.2 UN Proper shipping name:

##### ADR / RID:

No dangerous good in sense of this transport regulation.

##### IMDG-Code / ICAO-TI / IATA-DGR:

No dangerous good in sense of this transport regulation.

#### 14.3 Transport hazard class(es)

##### ADR / RID / IMDG-Code / ICAO-TI / IATA-DGR:

not applicable

#### 14.4 Packing group

not applicable

#### 14.5 Environmental hazards

not applicable

#### 14.6 Special precautions for user

See section 6 and 8.

#### 14.7 Maritime transport in bulk according to IMO instruments

not applicable

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 10

### SECTION 15. Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulations

Subject to the Regulation (EC) No. 648/2004 on detergents.

##### National regulations

Maternity Protection Act (MuSchG): not applicable.

Major Accidents Ordinance (12. BImSchV): not applicable.

Observe employment restrictions for young people (§ 22 JArbSchG).

Water hazard class: WGK 1 (in accordance with German regulation AwSV)

#### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

### SECTION 16. Other information

#### Indication of changes

Revised sections: 1, 2, 15

#### Hazard statements referred to in Section 2 and 3 i.a.w. Regulation (EC) No 1272/2008

Acute Tox. 4, H302 = Acute toxicity, category 4, Harmful if swallowed.

Acute Tox. 4, H312 = Acute toxicity, category 4, Harmful in contact with skin.

Skin Irrit. 2, H315 = Skin corrosion / irritation, category 2, Causes skin irritation.

Eye Dam. 1, H318 = Eye damage / irritation, category 1, Causes serious eye damage.

Eye Irrit. 2, H319 = Eye damage / irritation, category 2, Causes serious eye irritation.

Acute Tox. 4, H332 = Acute toxicity, category 4, Harmful if inhaled.

STOT SE 3, H336 = Specific target organ toxicity (single exposure), category 3, May cause drowsiness or dizziness.

#### Key literature references and sources for data

REACH Regulation (EC) No. 1907/2006

CLP Regulation (EC) No. 1272/2008

All data were taken from the safety data sheets of our sub-suppliers, where available. Missing data were taken from the Substance Database GESTIS of the Institute for Occupational Safety and Health of the German statutory accident insurance or from the database of the European Chemicals Agency (ECHA).

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH)



## Art. 4750, WAFA-EX

Version: 11

Revision date: 05.07.2023

Date of print: 05.07.2023

Page: 11

### Legend

|          |   |
|----------|---|
| ABEK     | Filter designation  |
| ADR      | European Agreement concerning the International Carriage of Dangerous Goods by Road                 |
| ATE mix  | Acute Toxicity Estimates for mixtures   |
| AVV      | European waste list regulation  |
| AwSV     | Ordinance on systems for handling water-polluting substances  |
| Butyl    | Butyl rubber  |
| CAS      | (Registration number) Chemical Abstracts Service  |
| CLP      | Regulation on classification, labelling and packaging of substances and mixtures                    |
| CMR      | Carcinogenicity, mutagenicity, reproductive toxicity  |
| CR       | Chloroprene rubber  |
| EC50     | Median effective concentration  |
| EG       | (Registration number) European Union  |
| ErC50    | Median effective concentration  |
| FIFRA    | Federal Insecticide, Fungicide and Rodenticide Act  |
| FKM      | Fluorocarbon rubber   |
| GISCODE  | Labelling system of the professional associations in the construction industry                      |
| IATA-DGR | International Air Transport Association - Dangerous Goods Regulations                               |
| IBC      | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO-TI  | Technical Instructions For The Safe Transport of Dangerous Goods by Air                             |
| IMDG     | International Maritime Dangerous Goods  |
| LC50     | Lethal concentration of a substance leading to the death of 50% of the exposed organisms            |
| LD50     | Lethal dose of a substance that leads to death of 50% of the organisms exposed to it                |
| MARPOL   | International Convention for the Prevention of Pollution from Ships                                 |
| NBR      | Acrylonitrile butadiene rubber  |
| NOEC     | No Observed Effect Concentration  |
| NOEL     | No Observed Effect Level  |
| NR       | Natural rubber  |
| OECD     | Organisation for Economic Co-operation and Development  |
| PBT      | Persistent, bioaccumulating, toxic  |
| PET      | Polyethylene terephthalate  |
| PTFE     | Polytetrafluoroethylene   |
| PVC      | Polyvinyl chloride  |
| REACH    | Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals      |
| RID      | Convention concerning International Carriage by Rail  |
| TRGS     | Technical Rules for Hazardous Substances  |
| UN       | United Nations  |
| US-EPA   | United States Environmental Protection Agency   |
| VOC      | Volatile Organic Compounds  |
| vPvB     | Very persistent, very bioaccumulating   |
| WGK      | Water hazard class  |

### Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.