

**Safety data sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 02.06.2025

Version number 103.11 (replaces version 103.10)

Revision: 30.05.2025

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

**1.1 Product identifier**

Trade name Lime binder 09

Other trade names:

Article number: 12753

UFI: 0E00-V1WK-Q00W-5YYH

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

No further relevant information available.

Application of the substance / the mixture Additive

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Met. Corr.1 H290 May be corrosive to metals.

### 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 Warning

#### Hazard statements

H290 May be corrosive to metals.

#### Precautionary statements

P234 Keep only in original packaging.

P390 Absorb spillage to prevent material damage.

P406 Store in a corrosion resistant container / container with a resistant inner liner.

#### Additional information:

According to the current state of knowledge, no synthetic polymer microparticles &gt; 0.01% are contained.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description:

Mixture

(2S)-Alanin, N,N-bis(carboxymethyl)-, Trinatriumsalz und (2R)-Alanin, N,Nbis(carboxymethyl)-, Trinatriumsalz

REACH Registriernummer 01-0000016977-53

Dangerous components: Void

#### SVHC

This preparation does not contain any substances of very high concern (SVHC) in a concentration of  $\geq 0.1$  % according to Regulation (EC) 1907/2006, Article 57.

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 advice: Do not leave affected persons unsupervised.

After inhalation Supply fresh air; consult doctor in case of symptoms.

#### After skin contact

Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.

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**After eye contact**

Rinse immediately opened eye for several minutes under running water. Then 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 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** Coordinate fire extinguishing measures with the surroundings.**5.2 Special hazards arising from the substance or mixture** No further relevant information available.**5.3 Advice for firefighters****Protective equipment:** Wear self-contained breathing apparatus.**Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Put on protective equipment and keep unprotected persons away.

**6.2 Environmental precautions:**

Do not allow to enter drainage system, surface or ground water.

Dilute with much water.

In case of release of larger quantities, inform competent authorities.

**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 7 for information on safe handling

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** Avoid contact with eyes or skin.**Information about protection against explosions and fires:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage** Store in cool, dry conditions in well sealed containers.**Requirements to be met by storerooms and containers:**

Observe laws and regulations on the storage and use of substances hazardous to water.

Store only in the original container.

**Information about storage in one common storage facility:** Store away from foodstuffs.**Further information about storage conditions:** Store in a cool place.**7.3 Specific end use(s)** No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists that were valid during the compilation were used as basis.

### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

#### Individual protection measures, such as personal protective equipment

##### General protective and hygienic measures

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

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

Avoid contact with the eyes and skin.

**Breathing equipment:** Use breathing protection only when aerosol or mist is formed.

##### Hand protection

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

Butyl rubber, BR

Nitrile rubber, NBR

##### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection** Safety goggles are recommended when decanting.

**Body protection:** Standard protective work clothing.

## \* SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Physical state

Liquid

##### Colour:

Yellow

##### Smell:

Characteristic

##### Odour threshold:

Not determined.

##### Melting point/freezing point:

Not determined

##### Boiling point or initial boiling point and boiling range

100 °C (7732-18-5 water, distilled, conductivity or of similar purity)

Not applicable.

##### Flammability

##### Lower and upper explosion limit

##### Lower:

Not determined.

##### Upper:

Not determined.

##### Flash point:

Not determined

##### Decomposition temperature:

Not determined.

##### pH at 20 °C

9,3 (Konz.)

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<b>pH-value:</b>	
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>Water:</b>	Fully miscible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
<b>Density and/or relative density</b>	
<b>Density at 20 °C</b>	1,29 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.

**9.2 Other information****Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Self-inflammability:** Product is not selfigniting.**Explosive properties:** Product is not potentially explosive**Evaporation rate** Not determined.**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	May be corrosive to metals.
<b>Desensitised explosives</b>	Void

**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 base metals forming hydrogen**10.4 Conditions to avoid** No further relevant information available.

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**10.5 Incompatible materials:** Aluminium, zinc and other light metals.**10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**Primary irritant effect:****Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**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.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

**12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**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:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects****Additional ecological information:****General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

The note below refers to the product left as it is and not to further processed products. When mixed with other products, other disposal routes may be required; if in doubt, consult the supplier of the product or the local authority.

**Recommendation**

After prior treatment product has to be disposed of in an incinerator for hazardous waste under adherence to the regulations pertaining to the disposal of particularly hazardous waste.

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

**Waste disposal key number:**

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.

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**Uncleaned packagings:** Disposal in accordance with official regulations.**Recommendation:**

**Development:** After optimal emptying, immediately return to the supplier tightly closed and without cleaning. Make sure that no foreign matter gets into the packaging!

Other containers: Empty completely and clean for reconditioning or reprocessing.

### SECTION 14: Transport information

<b>14.1 UN number or ID number</b> <b>ADR/RID, IMDG, IATA</b>	UN3267
<b>14.2 UN proper shipping name</b> <b>ADR/RID</b>	3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (alanine, N,N-bis(carboxymethyl)-, trisodium salt)
<b>IMDG, IATA</b>	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (alanine, N,N-bis(carboxymethyl)-, trisodium salt)
<b>14.3 Transport hazard class(es)</b> <b>ADR/RID</b>	
<b>Class</b>	8 (C7) Corrosive substances.
<b>Label</b>	8
<b>IMDG, IATA</b>	
<b>Class</b>	8 Corrosive substances.
<b>Label</b>	8
<b>14.4 Packing group</b> <b>ADR/RID, IMDG, IATA</b>	III
<b>14.5 Environmental hazards:</b> <b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b> <b>Kemler Number:</b> <b>EMS Number:</b> <b>Stowage Category</b> <b>Stowage Code</b> <b>Segregation Code</b>	Warning: Corrosive substances. 80 F-A,S-B A SW2 Clear of living quarters. SG35 Stow "separated from" SGG1-acids
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>ADR/RID</b> <b>Limited quantities (LQ)</b> <b>Excepted quantities (EQ)</b>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>IMDG</b> <b>Limited quantities (LQ)</b>	5L

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<b>Excepted quantities (EQ)</b>	Código E4 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation":</b>	UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (ALANINE, N,N-BIS(CARBOXYMETHYL)-, TRISODIUM SALT), 8, III

### SECTION 15: Regulatory information

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

##### Labelling according to Regulation (EC) No 1272/2008

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

##### Hazard pictograms



GHS05

**Signal word** Warning

##### Hazard statements

H290 May be corrosive to metals.

##### Precautionary statements

P234 Keep only in original packaging.

P390 Absorb spillage to prevent material damage.

P406 Store in a corrosion resistant container / container with a resistant inner liner.

##### Directive 2012/18/EU

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

##### LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

##### DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

##### REGULATION (EU) 2019/1148

##### Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

##### Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

##### National regulations

##### Information about limitation of use:

Employment restrictions concerning young persons must be observed.

##### Other regulations, limitations and prohibitive regulations

##### Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

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**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.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

**Application:** Please refer to the technical data sheet for application instructions.

#### UFI market placements:

Germany, Bulgaria, Denmark, DKE, ESE, European Union, Finland, SFS, France, Greece, Ireland, ISE, Croatia, Latvia, FL, Lithuania, LTE, Malta, Netherland, Norway, Germany, Poland, Portugal, Romania, Sweden, Slovakia, Slovenia, Spain, Czechia, Cyprus

#### Relevant phrases

Complete wording of hazard statements and risk phrases (H-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

**Department issuing data specification sheet:** See section 1.3: Responding area

**Date of previous version:** 19.12.2024

**Version number of previous version:** 103.10

#### 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)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international 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

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

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)

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Met. Corr.1: Corrosive to metals – Category 1

\* **Data compared to the previous version altered.**