

Safety Data Sheet

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



Trade name : Armierungsspachtel
Revision date : 24.11.2021
Print date : 25.11.2021

Version (Revision) : 28.0.7 (28.0.6)

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

1.1 Product identifier

Armierungsspachtel
Unique recipe identifier: N661-A0N4-F00W-8P5V

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

Relevant identified uses

Coatings and paints, fillers, putties, thinners

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Fornaci Calce Grigolin GmbH
Edelputzwerk

Street : Siemensstrasse 26

Postal code/city : 76275 Ettlingen

Telephone : +49(0)7243 – 7156 – 0

Telefax : +49(0)7243 – 7156 - 90

Information contact : info@grigolin.de

1.4 Emergency telephone number

+49(0)361/730730 (poison emergency Erfurt)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

1,2-benzisothiazol-3(2H)-one; CAS No. :2634-33-5

2-METHYLISOTHIAZOL-3(2H)-ONE; CAS No. :2682-20-4

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1); CAS No. :55965-84-9

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see notices on this label).
P302+P352 IF ON SKIN: Wash with plenty of water/....
P501 Emptied and cleaned container can be reused. Dispose not properly emptied container and rest of content to hazardous waste.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Acrylic copolymer dispersion, titanium dioxide, calcium carbonate, talc, silicates, water, additives and preservatives.

Hazardous ingredients

1,2-benzisothiazol-3(2H)-one ; REACH No. : 01-2120761540-60 ; EC No. : 220-120-9; CAS No. : 2634-33-5

Weight fraction : $\geq 0,005 - < 0,05 \%$

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400

Specific Conc. Limits : Skin Sens. 1 ; H317: C $\geq 0,05 \%$

2-METHYLISOTHIAZOL-3(2H)-ONE ; REACH No. : 01-2120764690-50 ; EC No. : 220-239-6; CAS No. : 2682-20-4

Weight fraction : $\geq 0,0015 - < 0,025 \%$

Classification 1272/2008 [CLP] : Acute Tox. 2 ; H330 Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Specific Conc. Limits : Skin Sens. 1A ; H317: C $\geq 0,0015 \%$ • (M Chronic=1) • (M Acute=10)

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; REACH No. : 01-2120764691-48 ; CAS No. : 55965-84-9

Weight fraction : $\geq 0,00015 - < 0,0015 \%$

Classification 1272/2008 [CLP] : Acute Tox. 2 ; H310 Acute Tox. 2 ; H330 Acute Tox. 3 ; H301 Skin Corr. 1C ; H314 Eye Dam. 1 ; H318 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Specific Conc. Limits : Eye Dam. 1 ; H318: C $\geq 0,6 \%$ • Skin Corr. 1C ; H314: C $\geq 0,6 \%$ • Eye Irrit. 2 ; H319: C $\geq 0,06 \%$ • Skin Irrit. 2 ; H315: C $\geq 0,06 \%$ • Skin Sens. 1A ; H317: C $\geq 0,0015 \%$ • (M=100)

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove affected person from the danger area and lay down. When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest.

In case of skin contact

Wash immediately with: Water and soap Do not wash with: Solvents/Thinner In case of skin irritation, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect).

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Never give anything by mouth to an unconscious person or a person with cramps.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam Dry extinguishing powder Sand Water spray jet Extinguishing blanket

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Special protective equipment for firefighters

Protective clothing. Rubber boots Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Special danger of slipping by leaking/spilling product. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

For cleaning up

Treat the recovered material as prescribed in the section on waste disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

No special technical protective measures are necessary. No special handling advices are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed.

Hints on joint storage

Storage class (TRGS 510) : 12

Materials to avoid

Strong acid Strong alkali Oxidizing agent

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Do not store together with
Food and feedingstuffs

Further information on storage conditions

Protect against : Heat, Frost

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL-/PNEC-values

DNEL/DMEL

1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 1,2 mg/m³

Limit value type : DNEL Consumer (systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 0,345 mg/kg

Safety factor : day(s)

Limit value type : DNEL worker (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 6,81 mg/m³

Limit value type : DNEL worker (systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 0,966 mg/kg

Safety factor : day(s)

2-METHYLISOTHIAZOL-3(2H)-ONE ; CAS No. : 2682-20-4

Limit value type : DNEL Consumer (local)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 0,021 mg/m³

Limit value type : DNEL Consumer (systemic)

Exposure route : Oral

Exposure frequency : Long-term

Limit value : 0,027 mg/kg

Safety factor : day(s)

Limit value type : DNEL worker (local)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 0,021 mg/m³

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9

Limit value type : DNEL Consumer (local)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 0,02 mg/m³

Limit value type : DNEL Consumer (systemic)

Exposure route : Oral

Exposure frequency : Short-term

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Limit value : 0,09 mg/kg
Safety factor : day(s)
Limit value type : DNEL worker (local)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 0,02 mg/m³
Limit value type : DNEL worker (local)
Exposure route : Inhalation
Exposure frequency : Short-term
Limit value : 0,02 mg/m³

PNEC

1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5

Limit value type : PNEC (Aquatic, freshwater)
Limit value : 4,03 µg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 0,403 µg/l
Limit value type : PNEC (Sediment, freshwater)
Limit value : 0,0499 mg/kg
Limit value type : PNEC (Sediment, marine water)
Limit value : 0,00499 mg/kg
Limit value type : PNEC (Soil)
Limit value : 3 mg/kg
Limit value type : PNEC (Sewage treatment plant)
Limit value : 1,03 mg/l

2-METHYLISOTHIAZOL-3(2H)-ONE ; CAS No. : 2682-20-4

Limit value type : PNEC (Aquatic, freshwater)
Limit value : 3,39 µg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 3,39 µg/l
Limit value type : PNEC (Soil)
Limit value : 0,047 mg/kg
Limit value type : PNEC (Sewage treatment plant)
Limit value : 0,23 mg/l

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9

Limit value type : PNEC (Aquatic, freshwater)
Limit value : 3,39 µg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 3,39 µg/l
Limit value type : PNEC (Sediment, freshwater)
Limit value : 0,027 mg/kg
Limit value type : PNEC (Sediment, marine water)
Limit value : 0,027 mg/kg
Limit value type : PNEC (Soil)
Limit value : 0,01 mg/kg
Limit value type : PNEC (Sewage treatment plant)
Limit value : 0,23 mg/l

8.2 Exposure controls

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Personal protection equipment



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Eye/face protection

goggles

Skin protection

Hand protection

Suitable gloves type Use special nitrile glove material: z. B. Chemical protective glove Dermatril P 743 Fa. KCL. Layer thickness 0.2 mm; Earliest breakthrough time after 240 min. Alternatively, other protective gloves that are at least category 3 according to EN 374. The instructions of the TRGS 401 must be observed. The selection of a suitable glove is not only dependent on the material, but also on other quality features and may vary from manufacturer to manufacturer. As the product is usually a preparation of several substances, the resistance of glove materials is not predictable and must therefore be checked before use.

Additional hand protection measures : Check leak tightness/impermeability prior to use.

Remark : Breakthrough times and swelling properties of the material must be taken into consideration.

Body protection

Overall Chemical resistant safety shoes

Respiratory protection

Usually no personal respirative protection necessary. Respiratory protection necessary at: spray application Quarter-face mask (DIN EN 140)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : pasty

Colour : white

Odour : after dispersion

Safety characteristics

Initial boiling point and boiling range :	(1013 hPa)	>=	100	°C	
Vapour pressure :	(50 °C)	<	1000	hPa	
Density :	(20 °C)	approx.	1,94	g/cm ³	
pH :		approx.	8,5		
Flow time :	(20 °C)	>	90	s	DIN-cup 4 mm
VOC value Decopaint-RL (2004/42/EG) :		<=	0	g/l	
Flash point :	not applicable				
Lower explosion limit :	not applicable				
Upper explosion limit :	not applicable				
Solvent separation test :	not applicable				
Water solubility :	Completely disolvable.				

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

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No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Acute oral toxicity

Parameter : LD50 (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)
Exposure route : Oral
Species : Rat
Effective dose : 490 mg/kg
Parameter : LD50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Exposure route : Oral
Species : Rat
Effective dose : 64 mg/kg

Acute dermal toxicity

Parameter : LD50 (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Parameter : LD50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Exposure route : Dermal
Species : Rat
Effective dose : 87 mg/kg

Acute inhalation toxicity

Parameter : LC50 (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)
Exposure route : Inhalation
Species : Rat
Effective dose : 0,4 mg/l
Exposure time : 4 h
Parameter : LC50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)
Exposure route : Inhalation
Species : Rat
Effective dose : 0,33 mg/l
Exposure time : 4 h

Corrosion

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

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

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

Germ cell mutagenicity

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

Reproductive toxicity

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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

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

Acute (short-term) fish toxicity

Parameter : LC50 (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)

Effective dose : 2,15 mg/l

Exposure time : 96 h

Parameter : LC50 (2-METHYLISOTHIAZOL-3(2H)-ONE ; CAS No. : 2682-20-4)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : 4,77 mg/l

Exposure time : 96 h

Parameter : LC50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

Effective dose : 0,09 - 0,28 mg/l

Chronic (long-term) fish toxicity

Parameter : NOEC (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

Effective dose : 0,02 - 0,098 mg/l

Acute (short-term) toxicity to crustacea

Parameter : EC50 (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)

Species : Daphnia magna (Big water flea)

Effective dose : 2,9 mg/l

Exposure time : 48 h

Chronic (long-term) toxicity to crustacea

Parameter : NOEC (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

Effective dose : 0,0036 - 0,1 mg/l

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

Effective dose : 10,7 - 53,5 µg/l

Chronic (long-term) algae toxicity

Parameter : NOEC (REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9)

Effective dose : 1,16 - 4,95 µg/l

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

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

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12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Dispose according to legislation.

Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Waste codes/waste designations according to EWC/AVV

08 01 20 (Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19)

After intended use

Waste codes/waste designations according to EWC/AVV

08 01 20 (Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19)

Remark

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

13.2 Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

National regulations

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

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Weight fraction (Number 5.2.7. III) : < 1 %

Water hazard class (WGK)

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

15.2 Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

16.1 Indication of changes

07. Hints on joint storage - Storage class * 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

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. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.