

Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 07.01.2025

Version number 4 (replaces version 3)

Revision: 07.01.2025

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

1.1 Product identifier

Trade name: Rigidur Nature Line Fugenkleber

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 Construction chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Rigips GmbH

Schanzenstraße 84

D-40549 Düsseldorf

Germany

Phone: +49 (0)211 5503 - 0

forschung-entwicklung@rigips.de

1.4 Emergency telephone number:

+49 (0)30 30686700

Charité Berlin, 24/7

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:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

Determination of endocrine-disrupting properties

Does not contain substances with endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture consisting of the following components.

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Dangerous components:

CAS: 124-17-4 EINECS: 204-685-9 Reg.nr.: 01-2119475110-51-xxxx	2-(2-butoxyethoxy)ethyl acetate substance with a Community workplace exposure limit	2-5%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-benzisothiazol-3(2H)-one ⚠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1); ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD50 oral: 450 mg/kg LC50/4 h inhalative: 0.21 mg/l Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.036 %	≥0.025-<0.036%
CAS: 55965-84-9 EC number: 611-341-5 Index number: 613-167-00-5	reaction mass of 5-chloro-2- methyl-2H- isothiazol-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3- one [EC no. 220-239- 6] (3:1) ⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025-<0.0015%

SVHC Void

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

SECTION 4: First aid measures

4.1 Description of first aid measures
General information

Never administer anything by mouth to an unconscious person.

If unconscious, place the patient in a stable side position and consult a doctor

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

After skin contact

Generally the product does not irritate the skin.

Immediately rinse with water.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Rinse liquid should be tempered (20-30°C).

After swallowing Rinse mouth. DO NOT induce vomiting. If symptoms persist consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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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, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents** Water with full jet**5.2 Special hazards arising from the substance or mixture**

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Carbon monoxide (CO)

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

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

Product forms slippery surface when combined with water.

6.2 Environmental precautions: Do not allow to enter sewers/ 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 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling** No special precautions are necessary if used correctly.**Information about fire - and explosion protection:** No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Store in a cool location.

Information about storage in one common storage facility: Not required.**Further information about storage conditions:** None.**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

Ingredients with limit values that require monitoring at the workplace:

DNELs		
CAS: 124-17-4 2-(2-butoxyethoxy)ethyl acetate		
Oral	Derived No Effect Level	7.9 mg/kgxday (consumer systemic long term value)
CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one		
Dermal	Derived No Effect Level	0.966 mg/kgxday (worker systemic long term value) 0.345 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	6.81 mg/m ³ (worker systemic long term value) 1.2 mg/m ³ (consumer systemic long term value)
CAS: 55965-84-9 reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)		
Oral	Derived No Effect Level	0.09 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	0.02 mg/m ³ (worker local long term value) 0.02 mg/m ³ (consumer local long term value)
PNECs		
CAS: 124-17-4 2-(2-butoxyethoxy)ethyl acetate		
Predicted No-Effect Concentration	0.29 mg/kgxdwt (earth rating factor)	
Predicted No-Effect Concentration	0.011 mg/l (sea water rating factor) 0.108 mg/l (fresh water rating factor)	
CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one		
Predicted No-Effect Concentration	3 mg/kgxdwt (earth rating factor)	
Predicted No-Effect Concentration	0.000403 mg/l (sea water rating factor) 0.00403 mg/l (fresh water rating factor)	
CAS: 55965-84-9 reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)		
Predicted No-Effect Concentration	0.01 mg/kgxdwt (earth rating factor)	
Predicted No-Effect Concentration	0.00339 mg/l (sea water rating factor) 0.00339 mg/l (fresh water rating factor)	
CAS No. / Designation of material / % / Type / Value / Unit		
CAS: 124-17-4 2-(2-butoxyethoxy)ethyl acetate		
AGW (Germany)	Long-term value: 67 mg/m ³ , 10 ppm 1.5(l);DFG, Y, 11	
LEP (Spain)	Short-term value: 127.5* mg/m ³ , 15* ppm Long-term value: 85* mg/m ³ , 10* ppm *Propuesta de modificación	
OEL (Sweden)	Short-term value: 250 mg/m ³ , 30 ppm Long-term value: 130 mg/m ³ , 15 ppm V	
CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one		
MAK (Germany)	vgl.Abschn.IIb und Xc	

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CAS: 55965-84-9 reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)

MAK (Germany)	Long-term value: 0.2E mg/m ³ vgl.Abschn.Xc
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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:

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Respiratory protection:

Use suitable respiratory protective device when the ambient concentration is greater than the exposure limit value.

Hand protection

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

Material of gloves Nitrile rubber, NBR

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Eye/face protection Goggles recommended during refilling

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	White
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	100 °C (DIN)
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH at 20 °C	5.5
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Fully miscible

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Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density:	Not determined
Relative density	Not determined.
Bulk density:	Not applicable.
Vapour density	Not determined.

9.2 Other information

Appearance:

Form: Liquid

Important information on protection of health and environment, and on safety.

Ignition temperature: Product is not self-igniting.

Explosive properties: Product does not present an explosion hazard.

Minimum ignition energy

Solvent separation test: Not applicable.

Solvent content:

Organic solvents: 2.5-<5 %

EU-VOC (%) 2.5-<5 % (Siedepunkt)

<4.0000 %

EU-VOC (g/L)

<44.0000 g/l

Change in condition

Softening point/range

Oxidising properties

Not determined.

Evaporation rate

Not determined.

Information with regard to physical hazard

classes

Explosives Void

Flammable gases Void

Aerosols Void

Oxidising gases Void

Gases under pressure Void

Flammable liquids Void

Flammable solids Void

Self-reactive substances and mixtures Void

Pyrophoric liquids Void

Pyrophoric solids Void

Self-heating substances and mixtures Void

Substances and mixtures, which emit flammable gases in contact with water Void

Oxidising liquids Void

Oxidising solids Void

Organic peroxides Void

Corrosive to metals Void

Desensitised explosives Void

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SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable at recommended storage conditions

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Oxydising agents.

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.

LD/LC50 values relevant for classification:

Components	Type	Value	Species
CAS: 124-17-4 2-(2-butoxyethoxy)ethyl acetate			
Oral	LD50	>2,340 mg/kg	(Rat)
Dermal	LD50	>5,400 mg/kg	(Rabbit)
CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one			
Oral	LD50	450 mg/kg	(ATE)
Dermal	LD50	>2,000 mg/kg	(Rat)
CAS: 55965-84-9 reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)			
Oral	LD50	457 mg/kg	(Rat)
Dermal	LD50	660 mg/kg	(Rabbit)
Inhalative	LC50/4 h	2.36 mg/l	(Rat)

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.

Sensitising effect by skin contact is possible by prolonged exposure.

May cause an allergic skin reaction to already sensitised individuals (supplemental labelling EUH208 in Europe)

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.

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11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Not classified as harmful to aquatic life

Type of test / Effective concentration / Method / Assessment

CAS: 124-17-4 2-(2-butoxyethoxy)ethyl acetate

LC50/48h	664 mg/l (aquatic invertebrates)
LC50/96h	50-70 mg/l (Fish)
EC50/72h	520-1,570 mg/l (aquatic algae and cyanobacteria)

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

LC50/96h	2.15-22 mg/l (Fish)
EC50/48h	2.9 mg/l (aquatic invertebrates)
EC50/72h	0.07-0.15 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	0.0403-0.055 mg/l (aquatic algae and cyanobacteria)

CAS: 55965-84-9 reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)

LC50/48h	0.18 mg/l (Daphnia magna)
LC50/96h	0.282 mg/l (Daphnia magna)
	0.19-0.3 mg/l (Fish)
EC50/24h	0.109 mg/l (Daphnia magna)
	0.0107 mg/l (aquatic algae and cyanobacteria)
EC50/48h	0.16 mg/l (Daphnia magna)
	0.0181-0.0371 mg/l (aquatic algae and cyanobacteria)
EC50/96h	0.0357 mg/l (aquatic algae and cyanobacteria)
EC50/72h	0.0063-0.0273 mg/l (aquatic algae and cyanobacteria)
NOEC (14d)	0.035 mg/l (Daphnia magna)
NOEC (21d)	0.011-1.05 mg/l (Daphnia magna)
NOEC (28d)	0.098 mg/l (Fish)

12.2 Persistence and degradability No further relevant information available.

Method

CAS: 124-17-4 2-(2-butoxyethoxy)ethyl acetate

Biod. (28 days) | 100 %

12.3 Bioaccumulative potential

CAS: 124-17-4 2-(2-butoxyethoxy)ethyl acetate

EBAB | 1.7 log Pow

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

EBAB | 0.7 log Pow

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CAS: 55965-84-9 reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)

EBAB | 0.75 log Pow

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Behaviour in sewage processing plants:

Type of test / Effective concentration / Method / Assessment

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

EC 50 (3h) | 12.8-24 mg/l (microorganisms)

CAS: 55965-84-9 reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3- one [EC no. 220-239-6] (3:1)

EC 50 (3h) | 4.5 mg/l (microorganisms)

Additional ecological information:

General notes: Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

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

European waste catalogue

Possible waste code. The concrete waste code depends on the source of the waste.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA | Void

14.2 UN proper shipping name

ADR, IMDG, IATA | Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class | Void

14.4 Packing group

ADR, IMDG, IATA | Void

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14.5 Environmental hazards:	Not applicable.
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14.6 Special precautions for user	Not applicable.
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14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
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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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

Directive 2012/18/EU

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

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

Regulation (EU) No 649/2012

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

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
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None of the ingredients is listed.

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.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H310 Fatal 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.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Department issuing SDS: Ladenburg Development Center (LDC)**Contact:**

Gypsum Development
+49 (0)621 4701 - 691
forschung-entwicklung@rigips.de

Date of previous version: 05.07.2023**Version number of previous version:** 3**Abbreviations and acronyms:**

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
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern (REACH regulation)
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.