

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

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

- **1.1 Product identifier**
- **Trade name:** 611 Eurostar Lino
- **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** Adhesive
- **1.3 Details of the supplier providing the safety data sheet**
- **Manufacturer/Supplier:**
Forbo Eurocol Deutschland GmbH
August-Röbling-Straße 2
99091 Erfurt
GERMANY
- Phone: +49 361 730 41 0
Fax: +49 (0)361 73041-92
E-mail: Elisabeth.Reinhardt@forbo.com
www.forbo-eurocol.de
- **Providing information:**
Laboratory
Elisabeth
Elisabeth.Reinhardt@forbo.com
- **1.4 Emergency number:**
Joint poison information centre of the states of Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia:
+49-361-730730
Poisoning information centre VIZ
+43 1 406 43 43

SECTION 2: Potential hazards

- **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 Labelling elements**
- **Labelling according to Regulation (EC) No 1272/2008** not applicable
- **Hazard pictograms** not applicable
- **Signal word** not applicable
- **Hazard warnings** not applicable
- **Additional information:**
EUH 208: Contains mixture 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), 1,2-benzisothiazol-3(2H)-one. May cause allergic reactions.
- **2.3 Other hazards**
- **Results of the PBT and vPvB assessment**
- **PBT:** Not applicable.

(continued on page 2)

EN

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

Trade name: 611 Eurostar Lino

(continued from page 1)

- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients· **3.2 Mixtures**· **Description:** Mixture of the following substances with non-hazardous additions.- **Hazardous ingredients:**

CAS: 2634-33-5 EINECS: 220-120-9 Reg. no.: 01-2120761540-60	1,2-benzisothiazol-3(2H)-one ⚠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317 ATE: LD50 oral: 450 mg/kg LC50 (4h) inhalative: 0.21 mg/l Specific concentration limit: Skin Sens. 1A; H317: C _≥ 0,036 %	≥0,025-<0,036%
CAS: 55965-84-9 Reg. no.: 01-2120764691-48-XXXX	Mixture 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 %	>= 0,0002 - < 0,0015 %

- **Regulation (EC) No 648/2004 on detergents / Labelling of ingredients**

Preservative (BENZISOTHIAZOLINONE, mixture 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))

- **Additional information:** The wording of the listed hazard statements can be found in section 16.**SECTION 4: First aid measures**· **4.1 Description of first aid measures**· **After skin contact:**

In case of contact with skin, wash off immediately with plenty of soap and water. Remove all contaminated clothing immediately and wash before reuse. If skin irritation occurs, a doctor.

· **After eye contact:** Rinse opened eye for several minutes under running water.· **If swallowed:** Do not induce vomiting, seek medical attention immediately.· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **4.3 Information on immediate medical assistance or specialised treatment**

No further relevant information available.

EN

(continued on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

Trade name: 611 Eurostar Lino

(continued from page 2)

SECTION 5: Fire-fighting measures

- **5.1 Extinguishing agents**
- **Suitable extinguishing agents:**
Coordinate fire extinguishing measures with the surroundings.
Alcohol-resistant foam. Water spray jet. Carbon dioxide. Extinguishing powder.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases possible in case of fire. Can be released in the event of fire: CO and CO₂
- **5.3 Instructions for firefighting**
- **Special protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Not required.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning:**
Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust).
- **6.4 Reference to other sections**
For information on safe handling see section 7. For information on personal protective equipment see section 8. For information on disposal see section 13.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about fire and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage in consideration of incompatibilities**
- **Storage:**
- **Requirements for storage rooms and containers:** No special requirements.
- **Storage instructions:** Not required.
- **Further information on storage conditions:** None.
- **Recommended storage temperature:** 10-30°C
- **Storage class (TRGS):** 12
- **Classification according to the German Ordinance on Industrial Safety and Health (BetrSichV):** -
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protective equipment

- **Components with limit values that require monitoring at the workplace:**

8.1 Parameters to be monitored	
2634-33-5 1,2-Benzisothiazol-3(2H)-on	
MAK	see sections IIb and Xc
55965-84-9 Mixture 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	Long-term value: 0.2E mg/m ³ see section Xc

(continued on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

Trade name: 611 Eurostar Lino

(continued from page 3)

- DNEL values

55965-84-9 Mixture 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	DNEL Long-term - oral, systemic effects	0.09 mg/kg_bw/day (population)
	DNEL Acute - oral, systemic effects DNEL	0.11 mg/kg bw/day (population) 0.02
Inhalative	long-term - inhalation local effects	mg/m ³ (worker)
		0.02 mg/m ³ (population)
	DNEL Acute - inhalation, local effects	0.04 mg/m ³ (worker)
		0.04 mg/m ³ (population)

- PNEC values

55965-84-9 Mixture 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)

PNEC short-term, seawater	0.00339 mg/l
PNEC short-term, sewage treatment plant	0.23 mg/l
PNEC Short-term freshwater sediment	0.027 mg/kg
PNEC short-term soil	0.027 mg/kg
PNEC short-term, intermittent releases	0.00339 mg/l

· **Additional notes:** The lists valid at the time of preparation were used as a basis.

· **8.2 Exposure controls and monitoring**

· **Suitable technical control equipment** No further details, see section 7.

· **Individual protective measures, for example personal protective equipment**

· **General protective and hygiene measures:**

The usual precautionary measures for handling chemicals must be observed.

· **Respiratory protection** Not required.

· **Hand protection**

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

Due to the lack of tests, no recommendation on glove material can be given for the product / the preparation / the chemical mixture.

Selection of the glove material taking into account the breakthrough times, permeation rates and degradation.



Protective gloves

· **Glove material**

The selection of a suitable glove depends not only on the material but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

· **Penetration time of the glove material**

The exact breakthrough time must be obtained from the protective glove manufacturer and adhered to.

(continued on page 5)

EN

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

Trade name: 611 Eurostar Lino**- Eye/face protection**

(continued from page 4)



Tight-fitting safety goggles

SECTION 9: Physical and chemical properties**· 9.1 Information on basic physical and chemical properties****· General information**

· Physical state	Liquid
· Colour	White colour
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Not determined.
· Boiling point or initial boiling point and boiling range	100 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH value at 20 °C:	7,5
· Viscosity:	
· Kinematic viscosity	Not determined.
· Viscosity at 25°C:	
· Dynamic at 20 °C:	28,000 mPas
· Solubility	
· Water:	Not or only slightly miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.1 g/cm ³
· Relative density	Not determined.
· Density (15°C)	Not determined.
· Vapour density	Not determined.

· 9.2 Other information

· Appearance:	
· Shape:	Pasty
· Important information on health, environmental protection and safety	
· Ignition temperature:	The product is not self-igniting.
· Explosive properties:	The product is not explosive.
· Solvent content:	
· VOC (EU)	0,00 %
· Change of state	
· Evaporation rate	Not determined.

· Information on physical hazard classes

· Explosive substances/mixtures and articles containing explosives	Not applicable
· Flammable gases	Not applicable
· Aerosols	not applicable

(continued on page 6)

EN

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

Trade name: 611 Eurostar Lino

(continued from page 5)

· Oxidising gases	Not applicable
· Gases under pressure	not applicable
· Flammable liquids	Not applicable
· Flammable solids	Not applicable
· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures which, in contact with water, emit flammable gases	Not applicable
· Oxidising liquids	Not applicable
· Oxidising solids	Not applicable
· Organic peroxides	Not applicable
· Substances and mixtures corrosive to metals	Not applicable
· Desensitised substances/mixtures and articles with explosive	not applicable

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 when used as intended.
- **10.3 Possibility of hazardous reactions** No hazardous reactions known.
- **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 hazardous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes according to Regulation (EC) No 1272/2008**

· **Acute toxicity**

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

2634-33-5 1,2-Benzisothiazol-3(2H)-on

Oral	Acute Toxicity Estimate of ingredient (ATE) oral	490 mg/kg
------	--	-----------

55965-84-9 Mixture 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	Acute Toxicity Estimate of ingredient (ATE) oral	100 mg/kg
Inhalative	Acute toxicity Estimate inhalative (4h) Acute toxicity estimates	0.31 mg/l 200 mg/kg

- **LD/LC50 values relevant for classification:****2634-33-5 1,2-Benzisothiazol-3(2H)-on**

Oral	LD50	450 mg/kg (ATE) 532 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 (4h)	0.21 mg/l (ATE)

(continued on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

Trade name: 611 Eurostar Lino

(continued from page 6)

55965-84-9 Mixture 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	66 mg/kg (rat)
Dermal	LD50	>141 mg/kg (rat)
Inhalative	LC50 (4h)	0.17 mg/l (rat)

- **Primary human 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.
- **Sensitisation of the respiratory tract/skin**
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.
- **Specific target organ toxicity at single exposure**
Based on available data, the classification criteria are not met.
- **Specific target organ toxicity with 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 are included.

SECTION 12: Environmental information

- 12.1 Toxicity

- Aquatic toxicity:

2634-33-5 1,2-Benzisothiazol-3(2H)-on

LC50 (96h) mg/ltr.	1.6-2.18 mg/ltr (rainbow trout) (OECD 203)
EC50 (48h)	2.94-3.27 mg/l (large water flea) (OECD 202)
EC50 (72h)	0.11 mg/l (Scenedesmus quadricauda) (OECD 201)
	0.11 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC10 (72h)	0.04 mg/ltr. (Scenedesmus quadricauda) (OECD 201)
NOEC	0.21 mg/l (rainbow trout) (OECD 215)

- **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 the PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain any substances with endocrine-disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.
- **Further ecological information:**
- **General information:** Not hazardous to water.

(continued on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

Trade name: 611 Eurostar Lino

(continued from page 7)

SECTION 13: Disposal instructions

- **13.1 Waste treatment processes**
- **Recommendation:** Smaller quantities can be disposed of together with household waste.

- European Waste Catalogue

08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09
----------	---

- **Uncleaned packaging:**
- **Recommendation:** Dispose of in accordance with official regulations.

SECTION 14: Transport information

- | | |
|---|-----------------|
| <ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR, IMDG, IATA | not applicable |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, IMDG, IATA | not applicable |
| <ul style="list-style-type: none"> · 14.3 Transport hazard classes · ADR, ADN, IMDG, IATA · Class | not applicable |
| <ul style="list-style-type: none"> · 14.4 Packaging group · ADR, IMDG, IATA | not applicable |
| <ul style="list-style-type: none"> - 14.5 Environmental hazards: | Not applicable. |
| <ul style="list-style-type: none"> - 14.6 Special precautions for the user User | Not applicable. |
| <ul style="list-style-type: none"> - 14.7 Transport of bulk goods by sea in accordance with IMO instruments | Not applicable. |
| <ul style="list-style-type: none"> - UN "Model Regulation": | Not applicable |

SECTION 15: Legislation

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: (substances not included)**

None of the ingredients are included.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients are included.
- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED OUTPUTS FOR EXPLOSIVE SUBSTANCES (Upper concentration limit for an authorisation under Article 5(3))**

None of the ingredients are included.

- **Annex II - DECLARABLE EXPLOSIVES FOR EXPLOSIVE MATERIALS**

None of the ingredients are included.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients are included.

(continued on page 9)

EN

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

Trade name: 611 Eurostar Lino

(continued from page 8)

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

None of the ingredients are included.

· **National regulations:**

· **Water hazard class:** Generally not hazardous to water.

· **VOC (EU) 0.0 g/l**

· **15.2 Chemical safety assessment:** A chemical safety assessment has not been carried out.

SECTION 16: Other information

· **Disclaimer**

This safety data sheet contains only safety-relevant information. The information is based on our knowledge at the time of revision, but does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unaltered form. The exhibitor accepts no responsibility for the form and content of any changes made by third parties, nor for any resulting damages or claims. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.

· **Relevant sentences**

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 Danger to life if inhaled.

H400 Very toxic to aquatic organisms.

H410 Very toxic to aquatic life with long lasting effects. EUH071 Corrosive to the respiratory tract

· **Issuing department:** Quality management

· **Contact person:**

Laboratory

Elisabeth

Elisabeth.Reinhardt@forbo.com

· **Version number of the previous version:** 9.3

· **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

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) VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

(continued on page 10)

EN

Safety data sheet
according to 1907/2006/EC, Article 31, including
amending Regulation (EU) 2020/878

Print date: 20/02/2025

Version number 11.3 (replaces version 9.3)

revised on: 20.02.2025

Trade name: 611 Eurostar Lino

(continued from page 9)

*LC50: Lethal concentration, 50 per cent LD50:**Lethal dose, 50 per cent**PBT: Persistent, Bioaccumulative and Toxic 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 irritant/corrosive effect - Category 1C Skin Irrit. 2:**Skin irritant/corrosive effect - 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 changed compared to the previous version**