

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 13.08.2015

Version number 2

Revision: 13.08.2015

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

- **1.1 Product identifier**
- Trade name: **614 Eurostar Lino Plus**
- Article number: 614
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
*No further relevant information available.*
- **Application of the substance / preparation** *Flooring adhesive*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Forbo Eurocol Nederland B.V.  
Industrieweg 1-2  
NL-1521 NA Wormerveer Holland  
Tel. +31 75 6271600 - Fax +31 75 6283564  
E-mail address: info.eurocol@forbo.com*
- Website: *www.eurocol.com*
- **1.4 Emergency telephone number:**  
*In case of emergency please contact the Dutch National Poison Control, telephone number: 0031-(0)30-2748888. (This number is only accessible to the physician treating the patient and only in case of accidental poisoning).*

## 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:**  
*Contains 1,2-benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-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:** *Not applicable.*
- **vPvB:** *Not applicable.*

## SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** *Flooring adhesive based on acrylate copolymer, fillers and resin dispersed in water.*
- **Dangerous components:** *Void*

(Contd. on page 2)

GB

# Safety data sheet

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Revision: 13.08.2015

Trade name: **614 Eurostar Lino Plus**

(Contd. of page 1)

· **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

### SECTION 4: First aid measures

· **4.1 Description of first aid measures**· **General information:** *No special measures required.*· **After inhalation:** *Not applicable.*· **After skin contact:** *Wash with water and soap.*· **After eye contact:***Rinse opened eye for several minutes under running water. If symptoms persist, consult a physician.*· **After swallowing:** *Rinse mouth with water and consult physician immediately.*· **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:***CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*· **5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*· **5.3 Advice for firefighters**· **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:** *Dilute with plenty of water.*· **6.3 Methods and material for containment and cleaning up:***Collect product in waste container. Rinse floor with water.**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 measures required.*· **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 in a cool, but frost-proof location.*· **Information about storage in one common storage facility:** *Not required.*· **Further information about storage conditions:***Recommended storage temperature between 15 and 25 °C.*

(Contd. on page 3)

## Safety data sheet

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Revision: 13.08.2015

Trade name: **614 Eurostar Lino Plus**

(Contd. of page 2)

· **7.3 Specific end use(s)** *No further relevant information available.*

### SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** *No further data; see item 7.*· **8.1 Control parameters**· **Ingredients with limit 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 valid during manufacture were used as basis.*· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:***The usual precautionary measures are to be adhered to when handling chemicals.**Immediately remove all soiled and contaminated clothing**Avoid contact with the eyes and skin.**Do not eat, drink, smoke or sniff while working.*· **Respiratory protection:** *Not required.*· **Protection of hands:***The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**Selection of the glove material is dependant on the penetration times, rates of diffusion and degradation.*· **Material of gloves***The selection of suitable gloves does not only depend on the material, but also on further aspects of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*· **Penetration time of glove material***The exact break through time has to be established by the manufacturer of the protective gloves and has to be observed.*· **For prolonged contact gloves made of the following materials are suitable:***Nitril rubber, chloroprene and PVC.*· **Eye protection:** *Goggles recommended during refilling*

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**    **Form:** *Paste*    **Colour:** *Beige*· **Odour:** *Characteristic*· **Odour threshold:** *Not determined.*· **pH-value at 20 °C:** *7*· **Change in condition**    **Melting point/Melting range:** *Undetermined.*    **Boiling point/Boiling range:** *100 °C*· **Flash point:** *Not applicable.*

(Contd. on page 4)

## Safety data sheet

### according to 1907/2006/EC, Article 31

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Version number 2

Revision: 13.08.2015

Trade name: **614 Eurostar Lino Plus**

(Contd. of page 3)

· <b>Flammability (solid, gaseous):</b>	<i>Not applicable.</i>
· <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	<i>Not determined.</i>
· <b>Self-igniting:</b>	<i>Product is not self-igniting.</i>
· <b>Danger of explosion:</b>	<i>Product does not present an explosion hazard.</i>
· <b>Explosion limits:</b>	
<b>Lower:</b>	<i>Not determined.</i>
<b>Upper:</b>	<i>Not determined.</i>
· <b>Vapour pressure at 20 °C:</b>	<i>23 hPa</i>
· <b>Density at 20 °C:</b>	<i>1.16 g/cm<sup>3</sup></i>
· <b>Relative density</b>	<i>Not determined.</i>
· <b>Vapour density</b>	<i>Not determined.</i>
· <b>Evaporation rate</b>	<i>Not determined.</i>
· <b>Solubility in / Miscibility with water:</b>	<i>Fully miscible.</i>
· <b>Partition coefficient (n-octanol/water):</b>	<i>Not determined.</i>
· <b>Viscosity:</b>	
<b>Dynamic:</b>	<i>Not determined.</i>
<b>Kinematic:</b>	<i>Not determined.</i>
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	<i>0.0 %</i>
· <b>9.2 Other information</b>	<i>No further relevant information available.</i>

## SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **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:** *No further relevant information available.*
- **10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation** *Possible irritation with prolonged or frequent contact.*
- **Serious eye damage/irritation** *No irritating effect.*
- **Respiratory or skin sensitisation** *No sensitising effects known.*

(Contd. on page 5)

GB

## Safety data sheet

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Version number 2

Revision: 13.08.2015

Trade name: **614 Eurostar Lino Plus**

(Contd. of page 4)

· **Additional toxicological information:**

*The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.*

*When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.*

### 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.*

· **Additional ecological information:**

· **General notes:**

*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

*Do not allow large quantities to reach sewage system or surface water.*

*According to the criteria of the EU-classification and labelling "dangerous for environment"(93/21/EWG) the substance/ the product has to be classified as non-hazardous for the environment.*

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

· **12.6 Other adverse effects** *No further relevant information available.*

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation** *Smaller quantities can be disposed of with household waste.*

· **Uncleaned packaging:**

· **Recommendation:** *Disposal must be made according to official regulations.*

· **Recommended cleansing agents:** *Warm water, if necessary together with cleansing agents.*

### SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** *Void*

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** *Void*

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** *Void*

· **14.4 Packing group**

· **ADR, IMDG, IATA** *Void*

· **14.5 Environmental hazards:**

· **Marine pollutant:** *No*

(Contd. on page 6)

## Safety data sheet

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Revision: 13.08.2015

Trade name: **614 Eurostar Lino Plus**

(Contd. of page 5)

· <b>14.6 Special precautions for user</b>	<i>Not applicable.</i>
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	<i>Not applicable.</i>
· <b>Transport/Additional information:</b>	<i>Not classified as hazardous under transport regulations.</i>
· <b>UN "Model Regulation":</b>	-

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Waterhazard class:** *Generally not hazardous for water.*
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
- 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.*

- **Department issuing MSDS:** *R&D department*
- **Contact:** *Ing. T.W. Breeuwer*
- **Abbreviations and acronyms:**  
*ADR: Accord européen sur le transport 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)*

GB