

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 02.01.2008

Revision: 02.01.2008

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name: 414 Euroflex Lino PLUS**

· **Article number: 414**

· **Application of the substance / preparation** *Flooring adhesive*

· **Manufacturer/Supplier:**

Forbo Eurocol B.V.

Industrieweg 1-2

NL-1521 NA Wormerveer Holland

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E-mail address: info@eurocol.nl

Website: www.eurocol.com

· **Information in case of emergency:**

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).

2 Hazards identification

· **Hazard description:** *Not applicable.*

· **Information concerning particular hazards for persons and the environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

· **Chemical characterization**

· **Description:** *Flooring adhesive based on acrylate copolymer, fillers and resin dispersed in water.*

· **Dangerous components:** *Void*

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

4 First-aid measures

· **General information:** *No special measures required.*

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

· **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.

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- **After swallowing:** *Rinse mouth with water and consult physician immediately.*

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** *Wear self-contained respiratory protective device.*

6 Accidental release measures

- **Person-related safety precautions:** *Not required.*
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Collect product in waste container. Rinse floor with water.
- **Additional information:** *No dangerous substances are released.*

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** *No special measures required.*
- **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.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*
- **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.*
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** *Not necessary if room is well-ventilated.*
- **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.

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- **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*

9 Physical and chemical properties

- **General Information**

Form:	<i>Paste</i>
Colour:	<i>Beige</i>
Odour:	<i>Characteristic</i>

- **Change in condition**

Melting point/Melting range: *Undetermined.*
Boiling point/Boiling range: *100 °C*

- **Flash point:** *Not applicable.*

- **Self-igniting:** *Product is not self-igniting.*

- **Danger of explosion:** *Product does not present an explosion hazard.*

- **Vapour pressure at 20 °C:** *23 hPa*

- **Density at 20 °C:** *1.3 g/cm³*

- **Solubility in / Miscibility with water:** *Fully miscible.*

- **pH-value at 20 °C:** *8*

- **Solvent content:**
Organic solvents: *2.7 %*

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Dangerous reactions** *No dangerous reactions known.*
- **Dangerous decomposition products:** *No dangerous decomposition products known.*

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *Possible irritation with prolonged or frequent contact.*
- **on the eye:** *No irritating effect.*
- **Sensitization:** *No sensitizing effects known.*

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· **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.

12 Ecological information

· **General notes:**

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

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.

13 Disposal considerations

· **Product:**

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

· **Uncleaned packaging:**

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

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

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Marine pollutant:** *No*

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

· **Transport/Additional information:** *Not classified as hazardous under transport regulations.*

15 Regulatory information

· **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
Water	15.5
NK	2.6

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· **Waterhazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.*

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*

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