

Laminate: Unilin, Quick-Step, Pergo, IVC Commercial

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

1.1. Product identifier

Product name : Laminate: Unilin, Quick-Step, Pergo, IVC Commercial
Registration number REACH : Not applicable (article)
Product type REACH : Article

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

1.2.1 Relevant identified uses

Laminate flooring

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the Product Safety Information Sheet:

Supplier of the Product Safety Information Sheet

UNILIN Group
Ooigemstraat 3
B-8710 Wielsbeke-Ooigem
☎ +32 56 67 52 11
Technical.services@unilin.com

all brands produced and distributed by Unilin Group

1.4. Emergency telephone number

During business hours, 9:00-16:00 (CET) :
+32 56 67 52 11

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.2. Label elements

Labelling does not apply to articles

2.3. Other hazards

When processed: risk of dust explosion
During processing dust may be released for which exposure limits are set out in the community
During use vapours may be released for which exposure limits are set out in the community

SECTION 3: Composition/information on ingredients

This article does not contain any notifiable substances

This article does not contain a substance of very high concern (SVHC) in accordance with Article 59(1) of Regulation (EC) No 1907/2006 at a concentration above 0,1 % (w/w)

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

If you feel unwell, consult a doctor/medical service.

After inhalation:

Not applicable. Measures apply only in case of excessive dust production when processing the material. Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

After skin contact:

Not applicable.

After eye contact:

Not applicable. Measures apply only in case of excessive dust production when processing the material. Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

After ingestion:

Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

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4.2.1 Acute symptoms

Dust from cutting process may cause mechanical irritation

After inhalation:

Irritation of the respiratory tract. Irritation of the nasal mucous membranes. Coughing.

After skin contact:

No effects known.

After eye contact:

Mechanical irritation.

After ingestion:

No effects known.

4.2.2 Delayed symptoms

No effects known.

4.3. Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Class A foam extinguisher, Water (quick-acting extinguisher, reel).

Major fire: Water, Class A foam.

5.1.2 Unsuitable extinguishing media:

Small fire: Quick-acting BC powder extinguisher, Quick-acting CO2 extinguisher.

5.2. Special hazards arising from the substance or mixture

Upon combustion: CO and CO2 are formed.

5.3. Advice for firefighters

5.3.1 Instructions:

No specific fire-fighting instructions required.

5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See section 8.2

6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective clothing (EN 14605 or EN 13034).

Suitable protective clothing

See section 8.2

6.2. Environmental precautions

No data available

6.3. Methods and material for containment and cleaning up

Pick-up the material.

6.4. Reference to other sections

See section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from naked flames/heat. Observe normal hygiene standards.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, oxidizing agents, (strong) acids.

7.2.3 Suitable packaging material:

No data available

7.2.4 Non suitable packaging material:

No data available

7.3. Specific end use(s)

Not applicable

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

EU

Formaldehyde	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	0.3 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	0.37 mg/m ³ (13)
	Short time value (Indicative occupational exposure limit value)	0.6 ppm
	Short time value (Indicative occupational exposure limit value)	0.74 mg/m ³
Hardwood dusts	Time-weighted average exposure limit 8 h (Limit value for occupational exposure)	2 mg/m ³ (9)

(13): Limit value of 0,62 mg/m³ or 0,5 ppm (3) for the health care, funeral and embalming sectors until 11 July 2024

(9): Inhalable fraction.

Limit value 3 mg/m³ until 17 January 2023

Belgium

Aldéhyde formique	Short time value	0.3 ppm (M)
	Short time value	0.38 mg/m ³ (M)
Bois (poussières de): tous les types sauf Thuja plicata	Time-weighted average exposure limit 8 h	1 mg/m ³
Particules non classifiées autrement (fraction alvéolaire)	Time-weighted average exposure limit 8 h	3 mg/m ³
Particules non classifiées autrement (fraction inhalable)	Time-weighted average exposure limit 8 h	10 mg/m ³

La mention "M" indique que lors d'une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d'intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l'exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d'échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d'échantillonnage.

The Netherlands

Formaldehyde	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.12 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	0.15 mg/m ³
	Short time value (Public occupational exposure limit value)	0.4 ppm
	Short time value (Public occupational exposure limit value)	0.5 mg/m ³
Hardhoutstof	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	2 mg/m ³

France

Bois (poussières de)	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	1.00 mg/m ³
Formaldéhyde	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	0.3 ppm
Formaldéhyde <i>shall apply until 2024-11-07</i>	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	0.5 ppm
Formaldéhyde	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	0.37 mg/m ³
Formaldéhyde <i>shall apply until 2024-11-07</i>	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	0.62 mg/m ³
Formaldéhyde	Short time value (VRC: Valeur réglementaire contraignante)	0.6 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	0.74 mg/m ³
Poussières réputées sans effet spécifique, fraction alvéolaire	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	5 mg/m ³
Poussières réputées sans effet spécifique	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	10 mg/m ³

Germany

Allgemeiner Staubgrenzwert: Alveolengängige Fraktion	Time-weighted average exposure limit 8 h (TRGS 900)	1.25 mg/m ³
Allgemeiner Staubgrenzwert: Einatembare Fraktion	Time-weighted average exposure limit 8 h (TRGS 900)	10 mg/m ³
Formaldehyd	Time-weighted average exposure limit 8 h (TRGS 900)	0.3 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	0.37 mg/m ³
Hartholzstaub	Time-weighted average exposure limit 8 h (TRGS 900)	2 mg/m ³

Austria

Formaldehyd	Tagesmittelwert (MAK)	0.3 ppm
	Tagesmittelwert (MAK)	0.37 mg/m ³
	Kurzzeitwert Mow (MAK)	0.6 ppm

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Formaldehyd	Kurzzeitwert Mow (MAK)	0.74 mg/m ³
Holzstaub	Tagesmittelwert (TRK)	2 mg/m ³

UK

Formaldehyde	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	2 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	2.5 mg/m ³
	Short time value (Workplace exposure limit (EH40/2005))	2 ppm
	Short time value (Workplace exposure limit (EH40/2005))	2.5 mg/m ³
Hardwood dust (inhalable fraction)	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	3 mg/m ³
Inhalable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	10 mg/m ³
Respirable dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	4 mg/m ³
Softwood dust	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	5 mg/m ³

USA (TLV-ACGIH)

Formaldehyde	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	0.1 ppm
	Short time value (TLV - Adopted Value)	0.3 ppm
Particulates (insoluble or poorly soluble) not otherwise specified	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	10 mg/m ³ (I)
	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	3 mg/m ³ (R)
Wood dusts: All other species	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	1 mg/m ³ (I)

(I): Inhalable fraction

(R): Respirable fraction

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

If applicable and available it will be listed below.

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 Threshold values

If applicable and available it will be listed below.

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Do not eat, drink or smoke during work.

a) Respiratory protection:

Respiratory protection not required in normal conditions. Insufficient ventilation: wear respiratory protection. Dust production: dust mask with filter type P1.

b) Hand protection:

Protective gloves against chemicals (EN 374).

c) Eye protection:

Not required for normal conditions of use. In case of dust production: protective goggles (EN 166).

d) Skin protection:

Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Hard solid material
Odour	No data available on odour
Odour threshold	No data available in the literature
Colour	Variable in colour, depending on the composition
Particle size	No data available in the literature
Explosion limits	No data available in the literature
Flammability	Not classified as flammable
Log Kow	No data available in the literature
Dynamic viscosity	Not applicable (solid)

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Kinematic viscosity	Not applicable (solid)
Melting point	No data available in the literature
Boiling point	No data available in the literature
Relative vapour density	Not applicable (solid)
Vapour pressure	Not applicable (solid)
Solubility	Water ; insoluble
Relative density	≥ 0.8
Absolute density	$\geq 800 \text{ kg/m}^3$
Decomposition temperature	No data available in the literature
Auto-ignition temperature	No data available in the literature
Flash point	Not applicable (solid)
pH	No data available in the literature

9.2. Other information

Evaporation rate	Not applicable (solid)
Fire classification of construction products and building elements	Class Cfl-s1 or Dfl-s1 (depending on product build up) according to EN 9239-1

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat.

10.5. Incompatible materials

Oxidizing agents, (strong) acids.

10.6. Hazardous decomposition products

Upon combustion: CO and CO₂ are formed.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1 Test results

Acute toxicity

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No (test)data available

Corrosion/irritation

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No (test)data available

Respiratory or skin sensitisation

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No (test)data available

Specific target organ toxicity

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No (test)data available

Mutagenicity (in vitro)

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No (test)data available

Mutagenicity (in vivo)

Laminate: Unilin, Quick-Step, Pergo, IVC Commercial

No (test)data available

Carcinogenicity

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No (test)data available

Reproductive toxicity

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No (test)data available

Toxicity other effects

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No (test)data available

11.2. Information on other hazards

No evidence of endocrine disrupting properties

SECTION 12: Ecological information

12.1. Toxicity

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No (test)data available

12.2. Persistence and degradability

Water

Biodegradability in water: no data available

12.3. Bioaccumulative potential

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Log Kow

Method	Remark	Value	Temperature	Value determination
	No data available in the literature			

Conclusion

No bioaccumulation data available

12.4. Mobility in soil

No (test)data on mobility of the component(s) available

12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

12.7. Other adverse effects

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Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. The waste code must be assigned by the user, preferably in consultation with the (environmental) authorities concerned.

13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

13.1.3 Packaging/Container

No data available

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SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number	Transport	Not subject
14.2. UN proper shipping name		
14.3. Transport hazard class(es)		
	Hazard identification number	
	Class	
	Classification code	
14.4. Packing group		
	Packing group	
	Labels	
14.5. Environmental hazards		
	Environmentally hazardous substance mark	no
14.6. Special precautions for user		
	Special provisions	
	Limited quantities	
14.7. Maritime transport in bulk according to IMO instruments		
	Annex II of MARPOL 73/78	Not applicable

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
	Class E1, according to EN 717

Indicative occupational exposure limit values (Directive 98/24/EC, 2000/39/EC, 2004/37/EC and amendments)

Product name	Skin sensitisation
Formaldehyde	The substance can cause sensitisation of the skin

National legislation Belgium

Additional classification	Aldéhyde formique; C; La mention "C" signifie que l'agent en question relève du champ d'application de l'arrêté royal du 2 décembre 1993 concernant la protection des travailleurs contre les risques liés à l'exposition à des agents cancérigènes et mutagènes et reprotoxiques au travail. Bois (poussières de); tous les types sauf Thuja plicata; C; La mention "C" signifie que l'agent en question relève du champ d'application de l'arrêté royal du 2 décembre 1993 concernant la protection des travailleurs contre les risques liés à l'exposition à des agents cancérigènes et mutagènes et reprotoxiques au travail.
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National legislation The Netherlands

Waterbezwaarlijkheid	Not applicable (article)
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National legislation France

Catégorie cancérogène	Bois (poussières de); (7); Procédé cancérogène cité à l'arrêté du 5 janvier 1993 modifié. Formaldéhyde
Catégorie mutagène	Formaldéhyde; M2

National legislation Germany

WGK	Not applicable (article)
TRGS900 - Risiko der Fruchtschädigung	Formaldehyd; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
Sensibilisierende Stoffe	Formaldehyd; Sh; Hautsensibilisierende Stoffe
TRGS900 - Kanzerogener Stoff	Formaldehyd

National legislation Austria

Krebserzeugend	Formaldehyd; III A2 Holzstaub; III C
Gefahr der Sensibilisierung der Haut	Formaldehyd; Sh Holzstaub; S
Gefahr der Sensibilisierung der Atemwege	Holzstaub; S

National legislation United Kingdom

Carcinogen	Hardwood dust (inhalable fraction); Carc
Respiratory sensitisation	Softwood dust; Sen Hardwood dust (inhalable fraction); Sen

Other relevant data

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TLV - Carcinogen	Formaldehyde; A1
	Wood dusts: carcinogenicity - Oak and beech; A1
	Wood dusts: carcinogenicity - All other woods; A4
TLV - Skin Sensitisation	Formaldehyde; SEN; Sensitization
TLV - Respiratory Sensitisation	Formaldehyde; SEN; Sensitization

15.2. Chemical safety assessment

No chemical safety assessment is required.

SECTION 16: Other information

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
ATE	Acute Toxicity Estimate
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Effect Concentration 50 %
Erc50	EC50 in terms of reduction of growth rate
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
NOAEC/NOAEL	No Observed Adverse Effect Concentration/No Observed Adverse Effect Level
NOEC/NOEL	No Observed Effect Concentration/No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

The information in this Product Safety Information Sheet informs on the properties of certain substances, preparations or mixtures incorporated in the article. The Product Safety Information Sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this Product Safety Information Sheet does not release the user from the obligation to take all measures dictated by common sense, regulations, the guidelines of the manufacturer and recommendations or which are necessary and/or useful based on the real applicable circumstances. The Product Safety Information Sheet constitutes merely of guidelines and recommendations. The information in this Product Safety Information Sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. New Product Safety Information Sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the Product Safety Information Sheet, the information does not apply to other, even similar products. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This Product Safety Information Sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this Product Safety Information Sheet is subject to the licence and liability limiting conditions as stated in the agreement between BIG and the manufacturer of this product or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

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