

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name: Everlam™ Polyvinyl Butyral Interlayer

Article number:

Types: BUT 50 series, BUT 550 series, B551, B552, B553, B51, B52, B53, B54, BE8100

CAS Number:

63148-65-2

Registration number Polymers are exempted under Article 2 § 9 of the registration.

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

Not applicable.

Application of the substance / the preparation: Glass coating

1.3 Details of the supplier of the safety data sheet**Manufacturer/ Supplier:**

Everlam GmbH

Frielinghauser Strasse 5

59071 Hamm

GERMANY

T: +49 (0) 2388 40300 0

M: info@everlam.com

1.4 Emergency telephone number: Office Mechelen

+32 1548 08 00

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

It is an article.

The substance 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

2.3 Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients**3.1 Chemical characterisation: Substances****CAS No. Description**

63148-65-2 Polyvinylbutyral resin

Description:

Mixture consisting of the following components.

Polyvinylbutyral resin CAS: 63148-65-2

Triethylenglykolbis(2-ethylhexanoat) CAS: 94-28-0 EINECS: 202-319-2

Additives

SECTION 4: First aid measures**4.1 Description of first aid measures**

General information: Take affected persons out of danger area and lay down.

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

After skin contact:

After contact with the molten product, cool rapidly with cold water.

Do not pull solidified product off the skin.

(Contd. on page 2)

GB

Printing date 15.06.2015

Version 1

Revision: 15.06.2015

Trade name: Everlam™ Polyvinyl Butyral Interlayer

(Contd. of page 1)

After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

After swallowing larger quantities and in case of feeling unwell seek medical advice as a precaution.

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:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: None known.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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

Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up:

Dispose of the material collected according to regulations.

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:

Dust can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Storage in a well ventilated, dry place. Protect against sunlight.

Information about storage in one common storage facility:

Storage in the near of other chemicals or products has to be verified.

Further information about storage conditions: Protect from contamination.

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

GB

(Contd. on page 3)

Trade name: Everlam™ Polyvinyl Butyral Interlayer

(Contd. of page 2)

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: Not required.

DNELs Not determined.

PNECs Not determined.

Additional information: The lists valid during the making 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.

Respiratory protection:

Not necessary if room is well-ventilated.

Respiratory protection necessary at dust formation.

P2 or P3

Protection of hands:

Wear gloves for the protection against chemical hazards according to EN 374.

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

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

In the case of molten product.

Heat protection gloves

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Strong material gloves

Kevlar® gloves

Penetration time of glove material

Contaminated gloves must be cleaned or changed immediately.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

In case of dust formation:

Tightly sealed goggles

Body protection:

If required:

Heat-resistant protective clothing

Limitation and supervision of exposure into the environment

See section 6 and 12 for further information.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:

Foil

Colour:

Clear

Odour:

Ester-like

Odour threshold:

Not determined.

pH-value:

Not determined.

Change in condition

Melting point/Melting range:

Undetermined.
decomposition

(Contd. on page 4)

Printing date 15.06.2015

Version 1

Revision: 15.06.2015

Trade name: Everlam™ Polyvinyl Butyral Interlayer

(Contd. of page 3)

Boiling point/Boiling range:	decomposition
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	Not determined.
Decomposition temperature:	> 250 °C
Self-igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not applicable.
Oxidising properties	The substance is not oxidizing.
Vapour pressure:	Not determined.
Density:	1.07 g/cm ³ (ISO 1183)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water:	Insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Kinematic:	Not determined.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

The product is stable under standard ambient conditions (room temperature).

Thermal decomposition / conditions to be avoided: Protect against warming/overheating.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Heat, flames and sparks.

10.5 Incompatible materials:

Strong acids

Oxidising agents

10.6 Hazardous decomposition products: In case of fire: see chapter 5.

Additional information: In case of thermal decomposition irritating gases may occur.

SECTION 11: Toxicological information

11.1 Information on toxicological effects No data available on the product.

Primary irritant effect:

On the skin: Dust may irritate the skin by mechanical abrasion.

On the eye: Mechanical irritation due to dust is possible.

Respiratory or skin sensitisation No sensitising effects known.

Additional toxicological information:

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

Repeated dose toxicity Not determined.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No evidence of carcinogenic activity.

GB

(Contd. on page 5)

Trade name: Everlam™ Polyvinyl Butyral Interlayer

(Contd. of page 4)

SECTION 12: Ecological information

- 12.1 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.

Ecotoxicological effects:

Remark:

The components of the product are not classified as environmentally hazardous. However, it is not excluded that large or frequent spills can have harmful or damaging effects on the environment.

Additional ecological information:

General notes: Not known to be hazardous to water.

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

Can be reused after reprocessing.

Contact waste processors for recycling information.

On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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

Class Void

14.4 Packing group

ADR, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Not applicable.

Transport/Additional information: Not dangerous according to the above specifications.

ADR

Limited quantities (LQ) -

Printing date 15.06.2015

Version 1

Revision: 15.06.2015

Trade name: Everlam™ Polyvinyl Butyral Interlayer

(Contd. of page 5)

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

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.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

Sources Manufacturer's information.

GB