

SAFETY DATA SHEET 86

LAMINA ADHESIVE

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product identifier

Product name LAMINA ADHESIVE

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

Description/Application Water dispersion of synthetic polymers

1.3 Details of the supplier of the safety data sheet

Name: BERICALCE di De Toni Michael
Full address: Via O. da Pordenone n.18 - 36100 Vicenza - Italia
Phone: +39 0444 929102 +39 0444 923317
Fax: +39 0444 929102
E-mail address of the competent person responsible to the Safety Data Sheet info@bericalce.it

1.4 Emergency telephone number

For urgent inquiries refer to SANITARY EMERGENCY

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product is classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptations). The product thus requires a safety data sheet that complies with the provisions of Regulation (EC) n. 1907/2006 and subsequent amendments. Further information on the risks to health and/or the environment are given in sec. 11 and 12 of this sheet.

Hazard classification and indication:

2.2 Label elements

Danger labeling under Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Pictograms of danger: -

Warnings: -

Hazard: -

Safety advice: -

2.3 Other dangers

Based on available data, the product does not contain any PBT or vPvB substances as more than 0,1%

LAMINA ADHESIVE

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

No relevant information.

3.2 Mixtures

Not available.

4 FIRST AID MEASURES

4.1 Description of first aid measures

EYES: Wash immediately with plenty of water for at least 10 minutes and seek medical advice.

SKIN: Wash with plenty of water and soap. In case of disease consult a physician immediately.

INGESTION: Do not induce vomiting. In case of disease consult a physician immediately and present this safety-data sheet.

INHALATION: Bring the injured person into the open air and keep warm and at rest. Consult a doctor in case of difficult breathing.

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

None.

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

None in particular.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Water, carbon dioxide (CO₂).

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2 Special hazards arising from the substance or mixture

Do not inhale the gases produced by the explosion and combustion. Combustion produces heavy smoke.

5.3 Advice for firefighters

Wear complete fireproofing equipment (Type EN 11611 or EN469), with compressed air breathing apparatus (Type EN 137), helmet with visor and neck protection (Type EN443), heat protection gloves (Type EN407).

Collect the contaminated water used to extinguish the fire separately. Do not discharge it into the sewage system.

If it is possible from a safety point of view, move undamaged containers from the immediate danger area.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment and remove persons to safety (see section 7 and 8).

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

In case of large quantities of product leaking and withdrawing mechanically by transferring the product into suitable containers: recover if possible. Suitable material for collection: absorbent material, organic, sand, fossil flour. Wash with plenty of water or biodegradable detergent.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

LAMINA ADHESIVE

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapors and mists. At work do not eat or drink. Please also refer to paragraph 8 for recommended protective devices.

7.2 Conditions for safe storage, including any incompatibilities

Store at room temperature. Protect from frost. Do not store at temperatures below 0 °C. Keep containers tightly closed. Store away from sunlight. Keep in a cold and dry place. Keep away from food, drink and feed.

Incompatible materials:

None in particular. See also the following paragraph 10.

Indication for the premises:

Properly ventilated rooms.

7.3 Specific end use(s)

Information not available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No occupational exposure limit available

8.2 Exposure controls

HAND PROTECTION

During handling it is recommended to protect your hands with chemical resistant gloves Type EN374 (PVC, PE, neoprene, Nitrile, Viton, not natural rubber). Gloves with protection factor 6 are recommended: permeation time > 480min, min. Thickness 0.3mm. Change the gloves used if there are signs of wear, cracks or internal contamination.

SKIN PROTECTION

In the case of a short contact, no protection is required other than that of wearing clean clothing with a solid coverage. In the event of prolonged contact, wear protective clothing that is impermeable to this material: shirts, aprons or complete suits (Type EN 340-EN13034).

EYE PROTECTION

Use safety glasses with side protection against splashes such as EN166.

RESPIRATORY PROTECTION

Not necessary for normal use. In case of vapor / aerosol formation use a Type EN149 respiratory protection with FFP2 filter.

ENVIRONMENTAL EXPOSURE CONTROLS

Avoid the formation of mists or aerosols. Do not eat or drink during handling. Observe the general hygiene measures for the use of chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	white
Odour	odorless
Odour threshold	Not available
pH	7
Melting point / freezing point	Not available
Initial boiling point	100 °C
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available

LAMINA ADHESIVE

Lower inflammability limit	Not inflammable
Upper inflammability limit	Not inflammable
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	<0,01 KPa (a 20°C)
Vapour density	Not available
Relative density	1,0 g/ml (25°C)
Solubility	Soluble in water
Partition coefficient:: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information not available**10 STABILITY AND REACTIVITY****10.1 Reactivity**

Stable under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Avoid exposure to sunlight. Avoid overheating and temperatures > 50 ° C.

10.5 Incompatible materials

Keep away from oxidizing agents.

10.6 Hazardous decomposition products

Does not decompose under normal conditions. In the event of thermal decomposition, vapors potentially dangerous for health may be formed.

11 TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

a) acute toxicity

Not classified.

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

b) skin corrosion/irritation

Not classified.

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

c) serious eye damage/irritation

Not classified.

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

d) respiratory or skin sensitisation

Not classified.

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

e) germ cell mutagenicity

Not classified.

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

LAMINA ADHESIVE

- f) carcinogenicity
Not classified.
Based on the available data, the classification criteria are not met.
- g) reproductive toxicity
Not classified.
Based on the available data, the classification criteria are not met.
- h) STOT-single exposure
Not classified.
Based on the available data, the classification criteria are not met.
- i) STOT-repeated exposure
Not classified.
Based on the available data, the classification criteria are not met.
- j) aspiration hazard
Not classified.
Based on the available data, the classification criteria are not met.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Use according to good working practices, avoiding to disperse the product in the environment.
Not classified for environmental hazards.
Based on the available data, the classification criteria are not met.

12.2 Persistence and degradability

Information not available

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

12.6 Other adverse effects

Information not available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product residues: Operate according to local and national regulations in force. Recover if possible or eliminate in an authorized waste collection center.
Empty packaging: Drain carefully. Send to a reerator of kegs for re-use if possible, or dispose of in an authorized center.

LAMINA ADHESIVE

14 TRANSPORT INFORMATION

14.1 ONU number

Not applicable.

14.2 ONU shipping name

Not applicable.

14.3 Hazard classes connected to shipping

Not applicable.

14.4 Packaging group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for users

Not applicable.

14.7 Shipping of bulk according to MARPOL 73/78 annex and the IBC code

No relevant information.

15 REGULATORY INFORMATION

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 453/2010 (Annex I)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: no restriction.

Restrictions related to the substances contained: no restriction.

Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I - Protection against chemical agents"

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

LAMINA ADHESIVE

16 OTHER INFORMATIONS

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website

LAMINA ADHESIVE

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version.

Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations.

The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

BeriCalce ITALIA

Via Odorico da Pordenone, 18 - 36100 Vicenza - ITALIA

Tel./Fax (+39) 0444 929102 - Tel. (+39) 0444 923317

Skype: bericalce - info@bericalce.com

bericalce.com