

MATERIAL SAFETY DATA SHEET

according to Regulation (EC) no. 1907/2006 (amended by EC Reg. No. 878/2020)

Issued: 19.09.2011 Valid from: 16.11.2023 Revised: 11/2023
Version: 11/2023 Replaces version: 01/2023 Page 1 of 8

LacBalsam® Wound Sealing

Section 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1** **Product identifier:**
Commercial name:
LacBalsam® Wound Sealing
Article number:
1380-181 / -268 / -282 / -283 / -484
Listing number according to §45 PflSchG:
5861-00
- 1.2** **Relevant identified uses of the substance or mixture and uses advised against**
Wound closure and finishing products for fruit and ornamental trees (for detailed information see point 7.3 and product information).
Uses advised against:
Not specified
- 1.3** **Details of the supplier of the safety data sheet:**
frunol delicia® GmbH
Address:
Head office:
Duebener Strasse 145
04509 Delitzsch
Germany
Tel.: +49 (0)34202 / 65300
Fax: +49 (0)34202 / 65309
E-mail:
info@frunol-delicia.de
Information department:
Lab department, tel.: +49 (0)34202 / 65525
- Branch:**
Hansastrasse 74 b
59425 Unna
Germany
Tel.: +49 (0)2303 / 253600
Fax: +49 (0)2303 / 2536050
- 1.4** **Emergency telephone number (DE):**
Poison Emergency Call Berlin (Charité – 24 h)
Tel.: +49 (0)30 / 30 68 67 00
- UFI-Code:**
XGT3-N08W-K003-PCH8

Section 2 HAZARDS IDENTIFICATION

- 2.1** **Classification of the substance or mixture:**
The mixture is not classified as dangerous according to Regulation (EC) No. 1272/2008 (CLP).
- 2.2** **Label elements:**
Signal word: None
Pictograms: None
Components to be marked:-
Hazard warnings: -
Safety instructions*: P102
Other information*: EUH401

Further labeling elements (national) see section 15.
- 2.3** **Other hazards:**
None
* Wording of the H- and P-Phrases see section 16.

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Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

This product is about a mixture.

3.2 Mixtures:

3.2.1 Dangerous ingredients:

None

3.2.2 Substances with prescribed limit values (0.1%):

None

3.2.3 Substances with the classification vPvB:

None

* The wording of the hazard statements (H phrases) and classification texts can be found in Section 16.

Section 4 FIRST AID MEASURES

4.1 Description of first aid measures:

4.1.1 First aid according to relevant routes of exposure.

Eye contact:

In case of contact with eyes, immediately rinse thoroughly with water and consult a doctor.

Skin contact:

In case of contact with skin, wash off immediately with plenty of water and soap.

Inhalation:

Not relevant

Intake:

Rinse mouth thoroughly, seek medical advice.

4.1.2 Medical emergency aid, delayed effects:

See 4.1.1, no other information.

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

None

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

No specific antidote.

Informations for the doctor:

Treatment symptomatically.

Section 5 FIREFIGHTING MEASURES

5.1 Extinguishing media:

5.1.1 Suitable extinguishing agents:

Water spray beam, foam, powder, CO₂

5.1.2 Unsuitable extinguishing agents:

None

5.2 Special hazards arising from the substance or mixture:

In the event of fire, dangerous fumes/gases may be produced: carbon monoxide, carbon dioxide. Formation of explosive gas/air mixtures possible.

5.3 Advice for firefighters:

Stay in the danger area only with a self-contained breathing apparatus; if necessary, wear a full face mask with a universal filter (AB-P type). Cool endangered containers from a safe distance and knock down any escaping vapors with water. Avoid penetration of extinguishing water into surface water, groundwater and soil.

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Section 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear gloves (preferably chemical-resistant).

6.2 Environmental precautions:

Do not allow to enter waterways or drains. Keep the application rate.

6.3 Methods and material for containment and cleaning up:

Collect spilled product and dispose of as hazardous waste.

6.4 Reference to other sections:

Observe protective measures in sections 7 and 8.

Section 7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Advice for safe handling:

Protect from strong heat.

7.1.2 General hygiene measures in the workplace:

Do not eat, drink or smoke during handling/use.

7.1.3 Information about fire and explosion protection:

No special actions required.

7.2 Conditions for safe storage, including any incompatibilities:

VCI storage class: 11 (with packaging)

7.2.1 Storage temperature:

Do not store above 30°C, protect from frost.

7.2.2 Requirements for storage rooms and containers:

Store in the closed original container.

7.2.3 Storage instructions:

Do not store together with food, beverages or animal feed

7.2.4 More information:

Do not leave it in the reach of the children.

7.3 Specific end use(s):

Treatment of tree bark damage and for finishing by painting with a brush or spatula (see product information for details).

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

For professional use, observe TRGS 402.

8.2 Exposure controls:

Not specified

8.2.1 Appropriate technical control devices:

Not specified

8.2.2 Personal protective equipment:

General protective and hygiene measures:

Avoid contact with eyes and skin.

Respiratory protection:

Not required for application/handling.

Hand protection:

Protective gloves recommended when using (CE Cat. II or III).

Eye protection:

Not required for application/handling.

Body protection:

Not required for application/handling.

8.2.3 Limiting environmental exposure:

See sections 6 and 7.

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Section 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties:
Shape:	Pasty
Color:	Olive green
Odor:	Small amount
Odor threshold:	Not specified
pH value (10 g/l in water, 20°C):	Not specified
Melting point / freezing point:	Not specified
Boiling point/boiling range:	Not specified
Flash point:	Not specified
Evaporation:	Not specified
Flammability:	Not specified
Flammability/explosion limits (lower/upper):	Not specified
Vapor pressure:	< 1 hPa (20°C)
Vapor density:	Not specified
Density (20°C):	1.43 g/ml
Solubility (water):	Almost insoluble
Partition coefficient (log pow):	Not specified
Auto-ignition temperature:	Not specified
Decomposition temperature:	Not specified
Viscosity (dynamic, 21°C):	Not specified
Viscosity (kinematic, 21°C):	> 7000 mPas (ISO2555:1989)
Explosive properties:	None
Oxidizing properties:	None
9.2	Other information: None

Section 10 STABILITY AND REACTIVITY

10.1	Reactivity: Not specified
10.2	Chemical stability: The product is chemically stable under normal environmental conditions.
10.3	Possibility of hazardous reactions: If used as intended, no dangerous reactions are to be expected.
10.4	Conditions to avoid: Temperatures < 0°C
10.5	Incompatible materials: Not specified
10.6	Hazardous decomposition products: Not specified.

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Section 11 TOXICOLOGICAL INFORMATION

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

11.1.1 Acute toxicity:

According to our experience and information, if handled and used correctly, the product does not cause any harmful effects to health.

11.1.2 Subacute toxicity:

Not specified.

11.1.3 Primary irritant effect:

Skin:

None

Eye:

None

11.1.4 Sensitization:

Not known

11.1.5 Chronic effect:

There is no evidence of carcinogenic, mutagenic, teratogenic or other harmful effects from prolonged exposure.

11.1.6 Specific target organ toxicity:

None

11.1.7 Danger of aspiration:

None

11.1.8 Endocrine properties:

None

11.2 Information on other hazards:

Not specified.

Section 12 ECOLOGICAL INFORMATION

12.1 Toxicity:

12.1.1 Aquatic toxicity:

The product is not harmful to aquatic organisms.

12.1.2 Effect on bees:

Not toxic.

12.2 Persistence and degradability:

The product can be produced by abiotic processes, e.g. adsorption on activated sludge, largely eliminated from the water.

12.3 Bioaccumulative potential:

WHC 1 (self-classification)

12.4 Mobility in soil:

Not specified

12.5 Results of PBT and vPvB assessment:

Not relevant

12.6 Endocrine disrupting properties:

The product does not contain any endocrine disrupting substances (ED).

12.7 Other adverse effects:

Not specified

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Section 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

13.1.1 Product:

The product is hazardous waste according to AVV and must be disposed of accordingly. Waste code no. (EAK): 07 04 (waste from the production, preparation, distribution and use of organic pesticides).

13.1.2 Uncleaned packaging:

Hazardous waste must be disposed of accordingly. Waste code no. (EAK): 15 01 10 (packaging that contains residues of dangerous substances or is contaminated by dangerous substances). Return empty containers via recycling systems.

Section 14 TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (IATA, ICAO)
UN / ID number:	The product is not classified as dangerous goods.	The product is not classified as dangerous goods.	The product is not classified as dangerous goods.
Transport hazard class(es):			
Classification code:			
Packing group:			
Danger number:			
Environmental hazards:			
Danger label/label:			
EMS:			
MFAG:			
Marine pollutants:			
LQ regulation:			
Tremcard (CEFIC):			
Limited quantities:			
Transport category / TBC:			
UN proper shipping name:			

Section 15 REGULATORY INFORMATION

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Additional information:

Not specified

National regulations:

TRGS:

Not relevant

WHC (AwSV):

1 (self-assessment)

Storage class TRGS 510 (VCI):

11 (with packaging)

Ordinance on industrial safety:

Not relevant

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Section 15 REGULATORY INFORMATION (CONTINUATION)

VOC content:

2.1 %

Major accident regulations:

Not relevant.

Employment restriction:

Child protection:

Observe employment restrictions for young people.

Maternity Protection:

Maternity Protection Act, observe employment bans.

15.2

Chemical safety assessment:

Not relevant (mixture).

Section 16 OTHER INFORMATION

TEXT OF HAZARD AND SAFETY INFORMATION:

HAZARD CATEGORIES:

None

POTENTIAL HAZARDS (H-PHRASES):

EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

SAFETY INFORMATION (P-PHRASES)

P102: Keep out of reach of children.

Legend:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AVV	Waste Shipment Ordinance
AwSV	Regulation on systems dealing with water-polluting substances
baua	Federal Institute for Occupational Safety and Health
BVL	Federal Office for Consumer Protection and Food Safety
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No. 1272/2008 on the classification, labeling and packaging of substances and mixtures
DIN	Standard from the German Institute for Standardization
EWC	European waste catalogue
ECHA	European Chemicals Agency
EC	European Community
EN	European standard
GES	Generic Exposure Scenarios
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
ISO	Standard of the International Standard Organization
HC	Hydrocarbons
LC	Lethal concentration
LD	Lethal dose
LD ₅₀	Lethal dose at 50% killing
log P _{o/w}	Log. partition coefficient between n-octanol and water
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations for the international carriage of dangerous goods by rail
SDS	Safety data sheet (according to EU regulation)
SVHC	Substances of Very High Concern
TRbF	Technical rules for flammable liquids

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Section 16 OTHER INFORMATION (CONTINUATION)

TRGS Technical Rules for Hazardous Substances
UN United Nations
VCI Association of the Chemical Industry
WHC Water hazard class

Special information about the product:

The product may only be handled in accordance with the manufacturer's instructions for use. Misuse can lead to damage to health. The product does not contain any ingredients that are prohibited for the intended use according to the appendix of the Chemicals Prohibition Ordinance or that exceed impermissible proportion limits, as well as no SVHC substances of the REACH Ordinance (EC) No. 1907/2006.

Exposure scenarios according to REACH/GES (ECHA system):

- a) Use: SU 21/22 (consumer and professional use)
- b) Product category: PC 27 (Plant protection agent*)
- c) Release: AC (not applicable)
- d) Environmental release: ERC 10a –

Broad, dispersive, outdoor application of durable products and materials with low release (Release due to usage on agricultural land, see also point 7.3)

* Plant protection agent without active ingredients and registration

Sources for the creation of this safety data sheet:

REACH Regulation Article 31, EC Regulation No. 1272/2008 (CLP Regulation), EU Regulation No. 878/2020, SDS of the ingredients.

Changes in the current safety data sheet:

The following sections or points have been changed or supplemented compared to the previous SDB version:

1. – 16.

The information in the safety data sheet is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not constitute a contractual legal relationship.