

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

1.1. Product identifier

Erkoplast-PLA

CAS No.: --
EC No.: --
UFI --
REACH No.: --

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

Relevant identified uses: Plastic articles
Uses advised against: Other

1.3. Details of the supplier of the safety data sheet

Manufacturer

ERKODENT Erich Kopp GmbH
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--
D 72285 Pfalzgrafeweiler

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Supplier

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Information contact

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Website www.erkodent.com

1.4. Emergency telephone number

ERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone +49 7445 8501 0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:
Identification is not obligatory. Please observe the information on the safety data sheet at all times.

2.2. Label elements

Classification according to Regulation (EC) No 1272/2008 [CLP]
Hazard pictograms

Signal word: -

Hazard statements:

-

Precautionary statements:

-

Special labelling of particular preparations:

none

2.3. Other hazards

On basis of test data. This substance is classified as not hazardous according to 67/548/EEC.

SECTION 3: Composition / information on ingredients

3.1. Substances

Polymere

3.2. Mixtures

PLA

Composition/information on ingredients

Substance:	CAS-No.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):	M, ATE, Note
Poly(lactic acid) PLA	26100-51-6			-	

(Full text of H- and EUH-statements: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: No special measures are necessary.

In case of inhalation: Do not breathe dust. Dust should be exhausted directly at the point of origin. Inhalation of dust may cause irritation of the respiratory system.

Following skin contact: No special measures are necessary. After contact with molten product, cool skin area rapidly with cold water. Immerse in cold water for a prolonged period. Burns caused by molten material must be treated clinically. Irritating to skin. slightly irritant

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist. Irritating to eyes. Dust protection goggles.

After ingestion: No special measures are necessary.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguishing powder. Carbon dioxide. alcohol resistant foam. Water spray.

Unsuitable extinguishing media High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO₂). Carbon monoxide. Sulphur dioxide (SO₂). Formaldehyde.

5.3. Advice for firefighters

General information

Use water spray jet to protect personnel and to cool endangered containers.

Special protective equipment for fire-fighters:

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid generation of dust. Dust must be exhausted directly at the point of origin.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking. Keep away from heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and dry.

Hints on joint storage

Conditions to avoid: UV-radiation/sunlight.

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:

Substance with a common (EC) occupational exposure limit value.

Substance:	CAS-No.:	Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:

DNEL-/PNEC-values

DNEL value

Substance:	CAS-No.:	DNEL/DMEL

PNEC Value

Substance:	CAS-No.:	PNEC

Additional information

none

8.2. Exposure controls

Occupational exposure controls:

none

General protection and hygiene measures:

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off immediately all contaminated clothing.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Dust protection goggles.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Technical ventilation of workplace.

Hand protection

See chapter 7. No additional measures necessary.

Eye/face protection

Dust protection goggles.

Body protection:

Body protection: not required.

Environmental exposure controls

refer to chapter 7. No further action is necessary.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

Exposure Scenario:

none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid

Colour: XXXX
Odour: characteristic
Odour threshold: No data available

Safety relevant basis data

	parameter	Value	unit	Remark
Melting point/freezing point:	Vicat	77	°C	
Initial boiling point and boiling range:				not determined
Flammability:				not determined
lower flammability or explosive limits:				not applicable
Upper flammability or explosive limits:				not applicable
Flash point:			°C	not determined
Ignition temperature:			°C	not determined
Decomposition temperature:			°C	not determined
pH:				not applicable
Kinematic viscosity:				not applicable
Water solubility (g/L):				
Partition coefficient: n-octanol/water:				not determined
Vapour pressure:				not applicable
Density:		1,24	g/cm ³	
Relative density:				not determined
Particle properties:				not determined

9.2. Other information

Observe technical data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

Reacts with : Solvents/Thinner Etchant and acids

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

UV-radiation/sunlight.

10.5. Incompatible materials

Acid. Base. Oxidising agent

10.6. Hazardous decomposition products

Hydrocarbons. Carbon dioxide (CO₂) Carbon monoxide. aldehydes

SECTION 11: Toxicological information

11.1. Information on hazard classes within the meaning of Regulation (EC)

No. 1272/2008

Medizinprodukt/medical device product

Cytotoxtest: ohne Befund/no abnormality detected

M-factor: - **Acute toxicity (dermal):** -
Acute toxicity (oral): - **Acute toxicity (inhalative):** -

Acute toxicity

Substance:	CAS-No.:	Toxicological information
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Skin corrosion/irritation:

In the case of the formation of dust.

Serious eye damage/irritation:

Irritating to eyes. In the case of the formation of dust.

Respiratory or skin sensitisation:

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity:

No indications of human carcinogenicity exist.

Germ cell mutagenicity:

No indications of human germ cell mutagenicity exist.

Reproductive toxicity:

Toxicological data are not available.

STOT-single exposure:

No information available.

STOT-repeated exposure:

No information available.

Aspiration hazard

Inhalation of dust may cause irritation of the respiratory system.

Additional information

11.2. Information about other hazards

11.2.1 Endocrine disrupting properties

11.2.2 Other Information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

No information available.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
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12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6 Endocrine disruptive effect

There are no data available on the mixture itself.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Appropriate disposal / Package

Dispose of waste according to applicable legislation.

List of proposed waste codes / waste designations according to EWC / AVV

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1. UN number

UN No.: --

14.2. UN proper shipping name

Land transport (ADR/RID)

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Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

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14.3. Transport hazard class(es)

Hazard label(s) / Label: -- Classification code: / Classification Code: --

14.4. Packing group

Packing group/ Packing Group: --

14.5. Environmental hazards

ADR/RID / IMDG / ICAO-TI / IATA-DGR: Yes No

Marine pollutant:



14.6. Special precautions for user

Land transport (ADR/RID)

transport category: --

tunnel restriction code: --

Special provisions: --

Limited quantity (LQ): --

Sea transport (IMDG)

EmS-No: --

Special provisions: --

Limited quantity (LQ): --

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remark

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer
No information available.

Regulation (EC) No 850/2004 [POP-Regulation]

Regulation (EU) No 649/2012 on the export and import of dangerous chemicals
No information available.

The substance/product is registered with strictly controlled conditions as defined in Article 18(4) of Regulation (EC) No. 1907/2006 (REACH Regulation) and must therefore be handled as such.
No information available.

National regulations

Observe in addition any national regulations!

Restrictions of occupation

no restriction

Restrictions of occupation

Not subject to StörfallVO.

Solvents Regulation (31st BImSchV)

No information available.

Other regulations, restrictions and prohibition regulations

no restriction

15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out. --

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text):
Hazard statements

Training advice

none

Recommended restrictions of use:

none

Further remarks:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storag

Documentation of changes:

none

Key literature references and sources for data

none

Abbreviations and acronyms

none