

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

1.1 Product identifier

Commercial product name: Foliflex

1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the substance/preparation: Dental splinting material long-term

1.3 Details of the supplier of the safety data sheet

Manufacturer: Dreve Dentamid GmbH
Street / mailbox: Max-Planck-Straße 31
Country code. / postal code / city: 59423 Unna
Phone: +49 2303 8807-0
Fax: +49 2303 8807-29
Information provided by / telephone: Department Research & Development: Fax: +49 2303 8807-562
E-mail address of person responsible for this SDS: sicherheitsdatenblatt@dreve.com

Supplier: al dente Dentalprodukte GmbH
Street / mailbox: Borsigstr. 1
Country code. / postal code / city: D - 38644 Goslar
Phone: 0 53 21 / 80031
Fax: 0 53 21 / 50881
E-mail / Website: info@aldente.de / www.aldente.de
Further information obtainable from: al dente Dentalprodukte GmbH

1.4 Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture: This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2 Label elements

Labelling according to regulation (EC) No 1272/2008

Supplemental information: EUH210 Safety data sheet available on request.

2.3 Other hazards:

No special hazards have to be mentioned.
The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Chemical characterization: Double coating plate of PETG and EVA

Hazardous ingredients

vinyl acetate

CAS No.: 108-05-4
EINECS no.: 203-545-4
Concentration: >= 0,1 < 1 %
Classification (Regulation (EC) No. 1272/2008):

Flam. Liq. 2	H225
Acute Tox. 4	H332
Carc. 2	H351
STOT SE 3	H335

Additional remarks:
CLP

Regulation (EC) No 1272/2008, Annex VI, Note D

SECTION 4: First aid measures

4.1 Description on first aid measures:

General information:

No special measures required.

After inhalation:

Ensure supply of fresh air.

After skin contact:

After contact with molten product cool quickly with cold water. Consult a doctor if skin irritation persists.

After eye contact:

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion:

Rinse out mouth and give plenty of water to drink.

Adhere to personal protective measures when giving first aid:

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

4.3 Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards:

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Extinguishing measures to suit surroundings

5.3 Advice for firefighters:

Special protective equipment for firefighters:

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin, eyes and clothing.

6.2 Environmental precautions:

Do not allow to enter drains or waterways.

6.3 Methods and material for containment and cleaning up

Pick up mechanically. Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4 Reference to other sections:

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Observe the usual precautions for handling chemicals.

Precautions against fire and explosion: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Store product in closed containers.

Hints on joint storage: Do not store together with foodstuffs.

Further information on storage conditions: Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Other information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

General protection and hygiene measures: Observe the usual precautions for handling chemicals.

Respiratory protection: Do not inhale vapours.

Hand protection: Heat-resistant gloves when using hot material

Eye/face protection: Safety glasses

Body protection: Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Thermoforming blank

Colour: various

Odour: characteristic

Melting point: Value: 60 to 90 °C

Freezing point: not determined

Boiling point or initial boiling point and boiling range: not determined

Flammability: not determined

Upper and lower explosive limits: not determined

Flash point: not determined

Ignition temperature: not determined

Decomposition temperature: not determined

pH value: not determined

Viscosity: not determined

Solubility(ies): not determined

Partition coefficient n-octanol/water (log value): not determined

Vapour pressure: not determined

Density and/or relative density: Value 0,95 g/cm³

Temperature 20 °C

Relative vapour density: not determined

9.2 Other information

Odour threshold: not determined

Evaporation rate (ether = 1) : not determined

Solubility in water: virtually insoluble

Explosive properties:	not determined
Oxidising properties:	not determined
Other information:	None known

SECTION 10: Stability and reactivity

10.1 Reactivity:	No hazardous reactions when stored and handled according to prescribed instructions.
10.2 Chemical stability:	No hazardous reactions known.
10.3 Possibility of hazardous reactions:	No hazardous reactions known.
10.4 Conditions to avoid:	Protect from heat and direct sunlight
10.5 Incompatible materials:	None known
10.6 Hazardous decomposition products:	-

SECTION 11: Toxicological information

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

Acute oral toxicity:	Based on available data, the classification criteria are not met.
Acute oral toxicity (Components) vinyl acetate:	Species rat (male) LD50 3470 mg/kg
Acute dermal toxicity:	Based on available data, the classification criteria are not met.
vinyl acetate:	Species rabbit LD50 7440 mg/kg
Acute inhalational toxicity:	Based on available data, the classification criteria are not met.
Acute inhalative toxicity (Components) vinyl acetate:	Species rat LC50 4000 ppm(V) Duration of exposure 4 h Administration/Form Vapours
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Sensitisation:	Based on available data, the classification criteria are not met.
Subacute, subchronic, chronic toxicity:	not determined
Mutagenicity:	Based on available data, the classification criteria are not met.

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

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

**Carcinogenicity (Components)
vinyl acetate:** Evaluation: Suspected of causing cancer.

**Specific Target Organ Toxicity (STOT):
Single exposure:** Based on available data, the classification criteria are not met.

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

**Specific Target Organ Toxicity (STOT) (Components)
vinyl acetate
Single exposure:** Evaluation: May cause respiratory irritation.

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

**11.2 Information on other hazards
Endocrine disrupting properties with
respect to humans:** This substance does not have endocrine disrupting properties with respect to humans.

Other information: No toxicological data are available.

SECTION 12: Ecological information

12.1 Toxicity: Not determined.

**Fish toxicity (Components)
vinyl acetate**
Species: Fathead minnow (*Pimephales promelas*)
NOEC: 0,551 mg/l
Duration of exposure: 34 d
Method: OECD 210

**Daphnia toxicity (Components)
vinyl acetate**
Species: *Daphnia magna*
NOEC: 12,6 mg/l
Duration of exposure: 48 h
Method: OECD 202

**Algae toxicity (Components)
vinyl acetate**
Species: *Pseudokirchneriella subcapitata*
NOEC: 12,7 mg/l
Duration of exposure: 72 h
Method: OECD 201

12.2 Persistence and degradability: Not determined.

Biodegradability (Components)

vinyl acetate

Value: 82 to 98 %
Duration of test: 14 d
Evaluation: Readily biodegradable (according to OECD criteria)

12.3 Bioaccumulative potential: Not determined.

Partition coefficient n-octanol/water (log value): Not determined.

Octanol/water partition coefficient (log Pow) (Components)

vinyl acetate

log Pow: 0,73
Temperature: 25 °C

12.4 Mobility in soil: Not determined.

12.5 Results of PBT and vPvB assessment: The Substance does not meet PBT-criteria.
This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties
Endocrine disrupting properties with respect to the environment: This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7 Other adverse effects
General information: Not determined.
General information / ecology: Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Disposal recommendations for the product: Must not be disposed together with household garbage. Dispose of waste according to applicable legislation.

Disposal recommendations for packaging: Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)		-	-
Label			
14.4. Packing group		-	-

SECTION 15: Regulatory information

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

Other information: All components are contained in the TSCA inventory or exempted.

15.2 Chemical safety assessment: For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 2/3

H225	Highly flammable liquid and vapour.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Carc. 2	Carcinogenicity, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information:

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.