

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DeltaFil_Powder

Revision date: 27.09.2022

Product code: 023193

Page 1 of 6

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

DeltaFil_Powder

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.3. Details of the supplier of the safety data sheet**

Company name:	DMG Chemisch-Pharmazeutische Fabrik GmbH	
Street:	Elbgaustraße 248	
Place:	D-22547 Hamburg	
Telephone:	+49. (0) 40. 84006-0	Telefax: +49. (0) 40. 84006-222
e-mail:	info@dmg-dental.com	
Internet:	www.dmg-dental.com	

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

Eye Dam. 1; H318
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**

polyacrylic acid

Signal word: Danger**Pictograms:****Hazard statements**

H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.

Special labelling of certain mixtures

85 - < 90 % of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).
 85 - < 90 % of the mixture consists of ingredient(s) of unknown acute toxicity (inhalation).

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DeltaFil_Powder

Revision date: 27.09.2022

Product code: 023193

Page 2 of 6

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
9003-01-4	polyacrylic acid			10 - < 15 %
	618-347-7			
	Acute Tox. 4, Eye Dam. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 2; H302 H318 H335 H400 H411			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
9003-01-4	618-347-7	polyacrylic acid	10 - < 15 %
	inhalation: LC50 = >5,1 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 1500 mg/kg Aquatic Acute 1; H400: M=1		

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with: Water and soap.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Call a physician immediately.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO₂).**Unsuitable extinguishing media**

High power water jet.

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

Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**Other information**

Take up mechanically.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DeltaFil_Powder

Revision date: 27.09.2022

Product code: 023193

Page 3 of 6

Advice on safe handling

Avoid contact with eyes. Provide adequate ventilation.

Advice on general occupational hygiene

When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Store only in original container.

Further information on storage conditions

The following must be prevented: moisture.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
1309-37-1	Rouge, respirable dust	-	4		TWA (8 h)	

Additional advice on limit valuesDo not breathe dust. MAK/MAC: 6 mg/m³**8.2. Exposure controls****Appropriate engineering controls**

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber).

Respiratory protection

The following must be prevented: inhalation.

Filtering device (full mask or mouthpiece) with filter: P1

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Powder	
Colour:	white	
Odour:	odourless	
Melting point/freezing point:		Mixture not tested.
Boiling point or initial boiling point and boiling range:		Mixture not tested.
Flash point:		> 100 °C
Auto-ignition temperature:		Mixture not tested.
pH-Value:		2
Water solubility:		Mixture not tested.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DeltaFil_Powder

Revision date: 27.09.2022

Product code: 023193

Page 4 of 6

Vapour pressure: Mixture not tested.
(at 20 °C)
Explosive properties
not applicable
point of decomposition: > 200 °C

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

heat.
Decomposition takes place from temperatures above: 200 °C

10.5. Incompatible materials

moisture.

10.6. Hazardous decomposition products

In case of fire may be liberated: Gas / vapours, irritant. (Acrylate., pungent)

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****ATEmix tested**

	Dose	Species	Source
LD50, oral	4575 mg/kg	Rat	ATEmix:

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
9003-01-4	polyacrylic acid				
	oral	LD50 1500 mg/kg	Rat	ECHA	OECD 401
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA	OECD 402
	inhalation dust/mist	LC50 >5,1 mg/l	Rat	ECHA	OECD 403

Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation.
Irritant effect on the eye: Frequently or prolonged contact with skin may cause dermal irritation.

SECTION 12: Ecological information**12.1. Toxicity**

Preparation not tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
9003-01-4	polyacrylic acid					
	Acute fish toxicity	LC50 27 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	OECD 203
	Acute algae toxicity	ErC50 0,13 mg/l	72 h	Desmodesmus subspicatus	ECHA	
	Acute crustacea toxicity	EC50 47 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	

12.2. Persistence and degradability

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DeltaFil_Powder

Revision date: 27.09.2022

Product code: 023193

Page 5 of 6

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
9003-01-4	polyacrylic acid			
	OECD 301F	87,4%	28	
	Easily biodegradable (concerning to the criteria of the OECD)			

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
9003-01-4	polyacrylic acid	0,27

12.4. Mobility in soil

Preparation not tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

List of Wastes Code - residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing hazardous substances; hazardous waste

SECTION 14: Transport information**Other applicable information**

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****National regulatory information**

Water hazard class (D): - - non-hazardous to water

SECTION 16: Other information**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DeltaFil_Powder

Revision date: 27.09.2022

Product code: 023193

Page 6 of 6

H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

-

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)