

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DeltaFil-Liquid

Revision date: 18.02.2021

Product code: 4250

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

DeltaFil-Liquid

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**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements**Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

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

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
87-69-4	acidum tartaricum			5-10 %
	201-766-0			
	Eye Irrit. 2; H319			

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

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.

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

Medical treatment necessary.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

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Suitable extinguishing mediaWater fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO₂).**Unsuitable extinguishing media**

High power water jet.

Additional information

The product itself does not burn.

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

Wear suitable protective clothing. 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

Take up mechanically.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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

Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

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.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

Take off immediately all contaminated clothing. When using do not eat or drink.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

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

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

Physical state:	liquid
Colour:	colourless
Odour:	neutral
pH-Value (at 23 °C):	2
Changes in the physical state	
Initial boiling point and boiling range:	100 °C
point of decomposition:	> 200 °C
Flash point:	> 100 °C
Density (at 23 °C):	1.2 g/cm ³

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Water solubility:
(at 23 °C) > 500 g/L

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

heat.

10.5. Incompatible materials

Keep away from strong acids, leachates, heavy metal salts and reducing materials.

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 toxicological effects****ATEmix tested**

	Dose	Species	Source
LD50, oral	6845 mg/kg	Rat	ATEmix calculated:

Irritation and corrosivity

Irritant effect on the eye: irritant.

Frequently or prolonged contact with skin may cause dermal irritation.

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

Product is partially biodegradable. (appr. 70 %)

Acute fish toxicity LC50: > 100 mg / l / 96 h

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.

Carry out a burning of hazardous waste according to official regulations.

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

List of Wastes Code - used product

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

List of Wastes Code - contaminated packaging

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

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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): 3 - strongly hazardous to water

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H319	Causes serious eye irritation.
EUH210	Safety data sheet available on request.

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

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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	
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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**

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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**

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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.

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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

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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.

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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

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