

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Flairesse Gel

Revision date: 15.04.2021

Product code: 6145

Page 1 of 5

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

Flairesse Gel

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

pregnant or breastfeeding people should not work with hazardous substances

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**

Hazard categories:

Acute toxicity: Acute Tox. 3

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

May be corrosive to metals.

Harmful if swallowed.

2.2. Label elements**Regulation (EC) No 1272/2008**

Signal word: Warning

Pictograms:

**Hazard statements**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

Precautionary statements

P264 Wash ... thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container to

Special labelling of certain mixtures

EUH031 Contact with acids liberates toxic gas.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Flairesse Gel

Revision date: 15.04.2021

Product code: 6145

Page 2 of 5

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
7681-49-4	sodium fluoride			< 3 %
	231-667-8	009-004-00-7		
	Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2; H301 H315 H319 EUH032			
7664-38-2	phosphoric acid; orthophosphoric acid ... %			< 3 %
	231-633-2	015-011-00-6		
	Skin Corr. 1B; H314			

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		
7681-49-4	231-667-8	sodium fluoride	< 3 %
	oral: LD50 = 52 mg/kg		
7664-38-2	231-633-2	phosphoric acid; orthophosphoric acid ... %	< 3 %
	Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25		

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

not applicable

After contact with skin

Wash with plenty of water.

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****Additional information**

The product itself does not burn.

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

Wear suitable protective clothing.

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**

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Flairesse Gel

Revision date: 15.04.2021

Product code: 6145

Page 3 of 5

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.

Advice on general occupational hygiene

When using do not eat or drink.

Further information on handling

Ensure adequate ventilation of the storage area.

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.

Hints on joint storage

Do not store together with: acid. Alkalis (alkalis).

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
-	Fluorides, inorganic	-	2.5		TWA (8 h)	
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	
		-	2		STEL (15 min)	

8.2. Exposure controls**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly sealed safety glasses.

Hand protection

Wear suitable gloves.: NBR (Nitrile rubber). Butyl rubber.

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

Physical state:	Jelly / Paste	
Colour:	diverse	
Odour:	diverse	
Lower explosion limits:		not applicable
Flash point:		not applicable
Auto-ignition temperature:		not applicable
pH-Value:		3.5 - 8
Water solubility:		partially soluble
Relative vapour density:		< 1

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Flairesse Gel

Revision date: 15.04.2021

Product code: 6145

Page 4 of 5

SECTION 10: Stability and reactivity**10.5. Incompatible materials**

acid. Alkalis (alkalis).

10.6. Hazardous decomposition products

Fluorhydric acid. , COx

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

sodium fluoride
 ORL MUS LD50 57 mg/kg
 ORL RAT LD50 52 mg/kg
 SCU RAT LD50 175 mg/kg

phosphoric acid; orthophosphoric acid ... %
 ORL RAT LD50 1530 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7681-49-4	sodium fluoride				
	oral	LD50 52 mg/kg	Rat	RTECS	

Irritation and corrosivity

Irritant effect on the eye: Causes burns.
 After skin contact: Causes burns.
 After ingestion: Causes burns. Nature of Hazard: Stomach perforation.

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
7681-49-4	sodium fluoride					
	Acute fish toxicity	LC50 925 mg/l	96 h	Gambusia affinis		
	Acute algae toxicity	ErC50 850 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 338 mg/l	48 h	Daphnia magna	IUCLID	
7664-38-2	phosphoric acid; orthophosphoric acid ... %					
	Acute fish toxicity	LC50 138 mg/l	96 h	Gambusia affinis		

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.

Further information

Do not allow to enter into surface water or drains. Leakage into the environment must be prevented.

Safety Data Sheet

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Page 5 of 5

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

Remove according to the 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

SECTION 14: Transport information**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 75

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

H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
EUH031	Contact with acids liberates toxic gas.
EUH032	Contact with acids liberates very toxic gas.

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