

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Flairesse Varnish

Revision date: 20.10.2020

Product code: 6155

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

Flairesse Varnish

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**

Flam. Liq. 3; H226
 Acute Tox. 4; H302
 Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

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

sodium fluoride

Signal word: Warning**Pictograms:****Hazard statements**

H226 Flammable liquid and vapour.
 H302 Harmful if swallowed.
 H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents/container to an appropriate recycling or disposal facility.

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)			
64-17-5	ethanol; ethyl alcohol			25 - < 30 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
7681-49-4	sodium fluoride			<= 5 %
	231-667-8	009-004-00-7		
	Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2; H301 H315 H319 EUH032			

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		
64-17-5	200-578-6	ethanol; ethyl alcohol	25 - < 30 %
	inhalation: LC50 = 124,7 mg/l (dusts or mists); oral: LD50 = 10470 mg/kg		
7681-49-4	231-667-8	sodium fluoride	<= 5 %
	oral: LD50 = 52 mg/kg		

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. (+ 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**

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).

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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
64-17-5	Ethanol	1000	-		STEL (15 min)	
-	Fluorides, inorganic	-	2.5		TWA (8 h)	

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	
Colour:	diverse	
Odour:	diverse	
pH-Value:		5.5 - 8
Water solubility:		partially soluble
Relative vapour density:		< 1

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

acid. Alkalis (alkalis).

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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

ATEmix calculated

ATE (oral) 1040,0 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-17-5	ethanol; ethyl alcohol				
	oral	LD50 10470 mg/kg	Rat	supplier SDS	OECD 401
	inhalation (4 h) dust/mist	LC50 124,7 mg/l	Rat	supplier SDS	OECD 403
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
64-17-5	ethanol; ethyl alcohol					
	Acute fish toxicity	LC50 15300 mg/l	96 h	Pimephales promelas (fathead minnow)	supplier SDS	
	Acute algae toxicity	ErC50 275 mg/l	72 h	Chlorella vulgaris	supplier SDS	OECD 201
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	

12.2. Persistence and degradability

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64-17-5	ethanol; ethyl alcohol			
	OECD 301E	95%	15	
	Easily biodegradable (concerning to the criteria of the OECD)			

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

CAS No	Chemical name	Log Pow
64-17-5	ethanol; ethyl alcohol	-0,35

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.

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**Land transport (ADR/RID)**

14.1. UN number or ID number:	UN 1170
14.2. UN proper shipping name:	Ethanol (Ethyl Alcohol), Lösung = Ethyl alcohol solution
14.3. Transport hazard class(es):	3
14.4. Packing group:	II

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 1170
14.2. UN proper shipping name:	Ethanol (Ethyl Alcohol), Lösung = Ethyl alcohol solution
14.3. Transport hazard class(es):	3
14.4. Packing group:	II

Marine transport (IMDG)

14.1. UN number or ID number:	UN 1170
14.2. UN proper shipping name:	Ethanol (Ethyl Alcohol), Lösung = Ethyl alcohol solution
14.3. Transport hazard class(es):	3
14.4. Packing group:	II

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 1170
14.2. UN proper shipping name:	Ethanol (Ethyl Alcohol), Lösung = Ethyl alcohol solution

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14.3. Transport hazard class(es): 3**14.4. Packing group:** II**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 3, Entry 40, Entry 75

National regulatory information**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 1,2,11.

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Acute Tox. 4; H302	Calculation method
Eye Irrit. 2; H319	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
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.)