

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Multifluorid**

Print date: 20.04.2016

Product code: 6141

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

Multifluorid

**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****Classification according to Directive 67/548/EEC or 1999/45/EC**

This mixture is not classified as hazardous according to Directive 1999/45/EC.

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

**2.2. Label elements****Hazardous components which must be listed on the label**

ethyl acetate

Signal word: Danger

Pictograms: GHS02-GHS07

**Hazard statements**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

**Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground/bond container and receiving equipment.
P243	Take precautionary measures against static discharge.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**SECTION 3: Composition/information on ingredients**

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**3.2. Mixtures****Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
205-500-4	ethyl acetate	
141-78-6	F - Highly flammable, Xi - Irritant R11-36-66-67	
607-022-00-5	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066	

Full text of R-, H- and EUH-phrases: 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**

Immediately get medical attention.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water fog. Extinguishing powder. Sand. Foam. Carbon dioxide (CO<sub>2</sub>).**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**CO<sub>x</sub>, NO<sub>x</sub>**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 empty into drains or the aquatic environment.

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

Collect mechanically.

**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.

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Store only in original container.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
141-78-6	Ethyl acetate	200	-	-	TWA (8 h)	WEL
		400	-	-	STEL (15 min)	WEL

**8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation of the storage area.  
: 400 ml/m<sup>3</sup> ; 1500 mg/m<sup>3</sup>

**Protective and hygiene measures**

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).

**Respiratory protection**

The following must be prevented: inhalation.

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

Physical state: liquid  
Colour: off-white - grey  
Odour: characteristic fruity

**Test method**

pH-Value: neutral

**Changes in the physical state**

Initial boiling point and boiling range: 80 °C  
Flash point: > - 4 °C  
Lower explosion limits: 2 vol. %  
Upper explosion limits: 11 vol. %  
Ignition temperature: > 425 °C  
Density: > 1 g/cm<sup>3</sup>  
Water solubility: ca. 80 g/L

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

Oxidizing agents. peroxides. acid.

**10.6. Hazardous decomposition products**

CO<sub>x</sub>, NO<sub>x</sub>, HF

**SECTION 11: Toxicological information**

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### 11.1. Information on toxicological effects

#### Acute toxicity

Acute toxicity, inhalant LC50: Rat.: 1600 ppm(v)/8h

Acute toxicity, oral LD50: Rat.: 5620 mg/kg

#### Irritation and corrosivity

Irritant effect on the eye: (Rabbit.): Not an irritant.

Irritant effect on the skin: (Rabbit.): Not an irritant.

#### Sensitising effects

Sensitization (Guinea-pig.): none / none

May cause sensitization in susceptible people.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product is biodegradable. (&gt; 80 %)

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

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

#### Waste disposal number of waste from 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 dangerous substances

Classified as hazardous waste.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<u>14.1. UN number:</u>	UN1173
<u>14.2. UN proper shipping name:</u>	ETHYL ACETATE
<u>14.3. Transport hazard class(es):</u>	3
<u>14.4. Packing group:</u>	II
Hazard label:	3



Classification code:	F1
Limited quantity:	1 L
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E

#### Other applicable information (land transport)

E2

### Marine transport (IMDG)

<u>14.1. UN number:</u>	UN1173
<u>14.2. UN proper shipping name:</u>	ETHYL ACETATE

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**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Special Provisions: -

Limited quantity: 1 L

EmS: F-E, S-D

**Other applicable information (marine transport)**

E2

**Air transport (ICAO)****14.1. UN number:** UN1173**14.2. UN proper shipping name:** ETHYLACETATE**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

**Other applicable information (air transport)**

E2

: Y341

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

Water contaminating class (D): 1 - slightly water contaminating

**SECTION 16: Other information****Relevant R-phrases (Number and full text)**

- 11 Highly flammable.
- 36 Irritating to eyes.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

**Relevant H- and EUH-phrases (Number and full text)**

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- EUH066 Repeated exposure may cause skin dryness or cracking.

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