

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Contax\_Activator**

Revision date: 15.04.2020

Product code: 2225

Page 1 of 6

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

Contax\_Activator

**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**

Hazard categories:

Organic peroxide: Org. Perox. B

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

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

2-hydroxyethyl methacrylate

dibenzoyl peroxide; benzoyl peroxide

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

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

**Precautionary statements**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see ... on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Contax\_Activator**

Revision date: 15.04.2020

Product code: 2225

Page 2 of 6

P337+P313  
P501present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
Dispose of contents/container to ....**2.3. Other hazards**Irritating to eyes, respiratory system and skin.  
May cause sensitization by skin contact.**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

chemical characterization (preparation): Acrylate.-resin.

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
868-77-9	2-hydroxyethyl methacrylate			35 - 50 %
	212-782-2	607-124-00-X		
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
1565-94-2	Bis-GMA			40 - 50 %
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H315 H319 H317 H335			
94-36-0	dibenzoyl peroxide; benzoyl peroxide			< 3 %
	202-327-6	617-008-00-0		
	Org. Perox. B, Eye Irrit. 2, Skin Sens. 1; H241 H319 H317			

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	
868-77-9	212-782-2	2-hydroxyethyl methacrylate	35 - 50 %
		oral: LD50 = 5050 mg/kg	
1565-94-2		Bis-GMA	40 - 50 %
		oral: LD50 = 5000 mg/kg	

**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**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Contax\_Activator**

Revision date: 15.04.2020

Product code: 2225

Page 3 of 6

**Suitable extinguishing media**Water spray jet, Extinguishing powder, Sand, Foam, Carbon dioxide (CO<sub>2</sub>)**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

In case of fire and/or explosion do not breathe fumes.

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

Remove all sources of ignition.

**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.

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

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

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking.

**Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

**Advice on general occupational hygiene**

Take off immediately all contaminated clothing. 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 and in a well-ventilated place.

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

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
94-36-0	Benzoyl peroxid (Dibenzoyl peroxide)	-	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**

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Contax\_Activator**

Revision date: 15.04.2020

Product code: 2225

Page 4 of 6

**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:	yellow	
Odour:	like: ester	
Melting point/freezing point:		Preparation not tested.
Boiling point or initial boiling point and boiling range:		100 °C
Lower explosion limits:		Preparation not tested.
Upper explosion limits:		Preparation not tested.
Flash point:		Preparation not tested.
pH-Value:		< 7
Water solubility:		Preparation not tested.
Vapour pressure: (at 20 °C)		Preparation not tested.
Density:		Preparation not tested.
point of decomposition:		> 200 °C

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

heat. Light.

**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 hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

Preparation not tested.

**Acute toxicity**

Acute toxicity, oral (Rat). LD50:: &gt; 3700 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50 mg/kg	5050	Rat	
1565-94-2	Bis-GMA				
	oral	LD50 mg/kg	5000	Rat	literature value

**Irritation and corrosivity**

Irritant effect on the eye: strongly irritant. Risk of serious damage to eyes.  
Frequently or prolonged contact with skin may cause dermal irritation.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Contax\_Activator**

Revision date: 15.04.2020

Product code: 2225

Page 5 of 6

**Additional information on tests**

Contains Methacrylates: May produce an allergic reaction. May cause sensitization by skin contact.

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

Product is partially biodegradable. &gt; 50 %

Acute fish toxicity LC50: &gt;230 mg / l / 96 h

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
868-77-9	2-hydroxyethyl methacrylate					
	Acute fish toxicity	LC50	227 mg/l	96 h	Pimephales promelas	

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

CAS No	Chemical name	Log Pow
868-77-9	2-hydroxyethyl methacrylate	0,47

**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.

**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

**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****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

**National regulatory information**

Water hazard class (D):

3 - highly hazardous to water

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Contax\_Activator**

Revision date: 15.04.2020

Product code: 2225

Page 6 of 6

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

H241	Heating may cause a fire or explosion.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

**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.)*