

**SAFETY DATA SHEET**  
Acc. to EU Rule: 91 / 155 / EWG  
Dental Cleaner  
**EM-70**

**1. NAME- / PREPARATION / COMPANY**

**Name** EM - 70

**Application** Removal of contamination of prosthesis and braces. Also suitable for cleaning of stainless steel parts, precious metal parts, porcelain and plastic.

**Supplier** EMAG AG  
Gerauer Strasse 34  
D-64526 Mörfelden  
Tel : +49-6105-406700 / Fax : +49-6105-406750

**Internet** [www.emag-germany.de](http://www.emag-germany.de)

**Email** [service@emag-germany.de](mailto:service@emag-germany.de)

**2. COMPOSITION / INFORMATION ABOUT INGREDIENTS**

**Chemical Characterisation**

CAS-Nr.	EG-Nr.	Chemische Bezeichnung	Gew.-%	Symbol	Gefahrenhinweise
007664-38-2	-	- Phosphorsäure	< 20	C	R - 34

**3. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

<b>Form :</b> Liquid	<b>Colour :</b> Colourless	<b>Aroma :</b> Odourless
<b>pH – Value</b>	2,2 (1% solution)	
<b>Boiling Point / Boiling Range</b>	-	
<b>Flash Point</b>	-	
<b>Explosion Risk</b>	-	
<b>Fire Boosting Properties</b>	-	
<b>Vapor Pressure</b>	-	
<b>Relative Density</b>	1,12 g/ml (+20°C)	
<b>Solubility in Water</b>	mixable	
<b>Viscosity</b>	-	
<b>Melting Point / Melting Range</b>	- 10°C	

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**4. STABILITY AND REACTIVITY**

<b>Conditions to be avoided</b>	Exothermal Reactions with bases
<b>Substances to be avoided</b>	Bases
<b>Dangerous decomposition products</b>	Hydrogen in case of reaction with metals.
<b>Special remarks</b>	No decomposition if stored conventional.

**5. INFORMATION ABOUT TOXICOLOGY**

<b>Danger when swallowed</b> (mg/Kg KGW)	Chemical burn of upper digestive tract and upper respiratory tract.
<b>Danger when touched</b> (mg/Kg KGW)	Chemical burn of skin and eyes.
<b>Danger when inhaled</b> (mg/l/4h)	Chemical burn of mucous membranes.

**6. INFORMATION ABOUT ECOLOGY****Information about disposal**

- Procedure	-
- Methods of analysis	-
- Degree of disposal	> 90% according to WRMG
- Valuation	Bio-degradable

<b>Additional information</b>	Low imperilling for water. Don't lead into surface water or canalisation.
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**7. INFORMATION ABOUT TRANSPORTATION**

<b>Land freight</b>	ADR/RID – GGVSE class 8, digit / letter 66c
<b>Barge freight</b>	-
<b>Sea freight</b>	IMDG/GGVSE class 8, UN 1760, packing group III, EMS 8 – 06, MFAG 700
<b>Air freight</b>	ICAO/IATA class 8, UN 1760, digit / letter III, corrosive liquid PAC818 (5I), CAC820 (60I)

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**8. SPECIFICATIONS**

**Code letter /  
 Indication of danger acc. to  
 67/548/EWG and 1999/45/EG**

<b>R – class</b>	R34 – create chemical burns
<b>S – class</b>	S26 – in case of contact with eyes spring-clean immediately With water and contact doctor
	S36/37/39 – wear during work a suitable protective clothing, protective gloves and protective goggles / face mask
	S45 – in case of accident or indisposition contact immediately a doctor (if possible present label of the bottle)

**Code letter /  
 Indication of danger acc. to  
 national specifications**

Water danger class acc. to WGK1 (self rating)

**Additional information**

-

**9. EXPOSITION LIMITS AND PERSONAL PROTECTION CLOTHES**

<b>Limits of work place</b>	-
<b>General protection measures</b>	Hands to be washed after usage of the product
<b>Breathing protection</b>	Normally no personal breathing protection required
<b>Hand guard</b>	Plastic gloves
<b>Eye protection</b>	Protective goggles with side protection , eye wash bottle with clean water
<b>Body protection</b>	Long arm working clothes.
<b>Hygiene measures</b>	-

**10. HANDLING AND STORAGE**

**Handling**

**Direction for safe handling** Contact with eyes, skin and clothes to be avoided. To be used only in rooms with sufficient air ventilation. Containers to be kept closed.

**Direction for fire and explosion protection** No special fire protection measures required.

**Storage** Keep container firmly closed and store in well ventilated dry place.

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<b>Information about storage conditions</b>	Do not use container made of metal.
<b>Storage class</b>	Do not store together with strong bases and oxydation agents.
	8 (VCI – Kzpt.)

**11. FIRST AID MEASURES**

<b>General directions</b>	Remove dirty or moist clothes immediately.
<b>After inhalation</b>	After inhalation of vapors in case of accident go to fresh air. When discomfort remains contact doctor.
<b>After skin contact</b>	Immediately to be washed with soap and plenty of water.
<b>After eye contact</b>	Immediately to be washed with plenty of water – even under eyelid. Go to doctor.

**12. MEASURES TO CONTROL FIRE**

<b>Appropriate extinguishing agents</b>	Extinguish measures to be adjusted to ambient fire. Product itself does not burn.
<b>Non suitable extinguishing agents</b>	Solid water jet (by safety reasons).
<b>Protective clothing</b>	Self – contained breathing apparatus to be used.
<b>Special danger in case of fire</b>	Incase of fire and reaction with metals phosphorus monoxide, carbon monoxide and carbon dioxide may be released
<b>Additional information</b>	Cool container with water spray jet.

**13. MEASURES IN CASE OF UNINTENTIONAL RELEASE**

<b>Person related precautions</b>	Take care of appropriate air ventilation. Use personal protective clothing.
<b>Environment protection measures</b>	Don` t lead into surface water or canalisation.
<b>Procedures for cleaning</b>	To be fixed with liquid soaking material (i.e. sand, silica gel, acid / universal bonding agents) . Use shovel to put into appropriate container for disposal.
<b>Additional information</b>	-

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**14. INFORMATION ABOUT SEWAGE AND REFUSE DISPOSAL**



**Important: Information given in this section is only  
Valid for the clean, not polluted product**

<b>Disposal procedure</b>	Re – use is to be favoured over disposal
- <b>Not used product</b>	Can after physical / chemical preconditioning be disposed, by considering the local, official regulations. Disposal code : 07 06 99 (EG) To be handed over to local re-use, recycling or disposal agents.
- <b>Remaining amount</b>	
- <b>Uncleaned packages</b>	

**15. OTHER INFORMATION**

<b>Sections changed in this edition</b>	-
<b>Wording of R – class for ingredients mentioned in section 2</b>	- Create chemical burns.
<b>Wording of S – class for ingredients mentioned in section 2</b>	-
<b>Sensitising materials</b>	-

**16. POSSIBLE DANGERS**

<b>Danger in case of misuse</b>	- Can create chemical burns. Can long term lead to damages in waters.
<b>Other dangers</b>	-
<b>Specific dangers</b>	-

The information given in this safety data sheet are correct to our best knowledge at the time of issue. It shall provide you with information about the safe handling of the product regarding storage, use, transportation and sewage and refuse disposal. The information is not transferable to other products. If products specified in this safety data sheet are mixed or used with other materials, information of this safety data sheet can not be transferred unless explicitly mentioned.