

1	<u>Names of Material, Preparation and Company</u>				
	trade name:	»KDM Crown			
	manufacturer/supplier:	»ESPECIALIDADES DENTALES KALMA, S. A.			Tel.: 91 380 23 83
	address:	»Camino de Hormigueras, 118, 3. y 4. planta			Fax: 91-778 48 64
		»28031 Madrid			
	information sector:	»Scientific Department			Tel.: 91 380 23 83
	emergency information:	»Scientific Department			emergency call: 91 380 23 83
2	<u>Composition/ Details on Components</u>				
	preparation:				
	description: cold-curing two-paste system for temporary crowns, bridges, inlays and onlays.»				
	hazardous ingredients: »				
	name	CAS-No.	content	danger symbol	R-categories
	»UDMA	41137-60-4	29 %	Xi	36-38
	»	»		»	»
	additional information: »				
3	<u>Possible Risks</u>				
	designation of risk:	»Xi, irritant			
	special details of risk (R-categories):	»36-38			
	detrimental effects/ symptoms:	»irritant to eyes, skin and respiratory system			
4	<u>First-Aid Measures</u>				
	general information:	»			
	after inhalation:»	fresh air, in case of indisposition or nausea please contact a doctor			
	after skin contact:	»rinse with plenty of water			
	after eye contact:	»rinse immediately and thoroughly with water, if necessary consult a doctor			
	after swallowing:	»contact immediately a doctor			
	information for the attending physician:	»material for dental use			
5	<u>Fire Fighting Measures</u>				
	suitable fire extinguishing agents:	»foam, carbon dioxide, powder fire extinguishers			
	unsuitable fire extinguishing agents:	»water			
	particular hazards:	»			
	fire fighting protective equipment:	»			
6	<u>Measures in Case of Unintended Release</u>				
	measures related to persons:	»avoid eye and skin contact			
	environmental measures:	»no special measures required			
	procedures of cleaning/ uptake:	»take up mechanically			
	additional information:	»do not pour the product in sewerage systems			
7	<u>Handling and Storage</u>				
7.1	handling: only by qualified staff in dental offices or dental laboratories				
	instructions for safe handling:	»see instructions for use			
	instructions on fire and explosion protection:	»			
7.2	storage:				
	demands on storerooms and containers:	»range of temperature 15-25°C. keep containers tightly closed and store in good ventilated rooms			
	indications and prohibitions of storage together with other materials:	»do not store together with food			
	further details on storage conditions:	»keep out of the reach of children			
	VbF-class:	»			

8	<u>Exposition Restrictions and Personal Protective Equipment</u>				
8.1	additional information on the equipment of technical facilities: »				
8.2	components with limiting values related to place of work:				
	CAS-No.	name	kind	value	unit
	»	»	»	»	»
	»	»	»	»	»
	additional information: »hazards related to place of work are not known. »				
8.3	personal protective equipment: dental office or laboratory working clothes				
	breathing protection: do not inhale vapour or dust »				
	hand protection: »use of protective gloves is recommended				
	eye protection: »use of protective glasses is recommended				
	body protection: »				
	protective and hygiene measures: »washing hands »				
9	<u>Physical and Chemical Properties</u>				
9.1	appearance: paste/paste form: pasty/pasty colour: light brown odour: specific				
9.2	safety data: tested acc. to:				
	pH upon delivery: » »				
	pH of 10 g/l H ₂ O and 20°C: » »				
	change of state:				
	boiling point/ area: » °C »				
	melting point/ area: » °C »				
	flash point: » °C »				
	flammability: »				
	ignition temperature: » °C »				
	autoignition: »				
	fire advancing properties: »				
	explosion hazards: »				
	explosion limits: UEG: »				
	vapour pressure (20°C): OEG: » hPa »				
	density (20°C): »				
	bulk density: »				
	solubility in water (20°C) (»°C): » mg/l »				
	in »(»°C): » mg/l »				
	solubility in fat: »				
	distribution coefficient n-octanol/water: »				
	viscosity (20°C): »				
	solvent separation test: » %				
	solvent content: » %				
9.3	further particulars: » »				
10	<u>Stability and Reactivity</u>				
	conditions to be avoided:» light exposition, heat				
	materials to be avoided:» radical releasing agent, e.g. peroxides				
	hazardous products of decomposition:»HCN, cyanides				
	further particulars: »				

11	<u>Toxicological Data</u>					
11.1	toxicological tests:					
	acute toxicity:					
	LD ₅₀ /LC ₅₀ :	component	kind	value	species	method of determination
		»	»	»	rat, oral	»
		»	»	»	»	»
	specific symptoms in animal tests:»					
	irritant effect/ corrosive action: »mucous membrane irritations					
	sensitization: »cannot be excluded after repeated application					
	effects of repeated exposure or overexposure					
	(subacute or chronic toxicity): »					
	carcinogenic and mutagenic effects and effects hazardous to reproduction: »					
	other particulars: »					
11.2	practical experience:					
	observations relevant to classifications: »					
	other observations: »					
11.3	general remarks: »during long-standing product application risks have not become known.					
	»					
12	<u>Ecological Data</u>					
12.1	information on elimination:					
	procedure	analytic method	degree of elimination	classification		
	»	»	»	»		
	evaluation:	»				
	additional information::	»				
12.2	behaviour in environmental compartments:					
	mobility and bioaccumulation potential:					
	additional information:»					
12.3	environmental toxic effects:					
	aquatic toxicity:					
	organism	test period	test method	result	Bewertung	
	»	»	»	»	»	
	»	»	»	»	»	
	behaviour in sewage plants: »					
	respiratory inhibition of local vitalized sludge: »					
12.4	additional information:					
	CSB-value:	» mg/g				
	BSB ₅ -value:	» mg/g				
	AOX-indication:	»				
	contains the following heavy metals and compounds (corresponding to guideline 76/464/EWG) according to preparation formula: »					
	general information:	»				
13	<u>Disposal Instructions</u>					
13.1	product:					
	recommendation:	»obey local regulations				
	waste category	waste name	accountability			
	»	»	»			
	»	»	»			
13.2	uncleaned packing material:					
	recommendation:	»obey local regulations.				
	cleaning agents:	»				

14 **Particulars on Transport**

14.1 **land carriage:**

ADR/RID/GGVS/GGVE-class: »

figure/letter: »

warning label: »

risk no.: »

material no.: »

designation of goods: »

remarks: »

14.2 **inland transport by ship:**

ADN/ADNR-class: »

figure/letter: »

category: »

designation of goods: »

remarks: »

14.3 **see transport:**

IMDG/GGV sea class: »

UN-No.: »

PG: »

EMS: »

MFAG: »

marine pollutant: »

correct technical name: »

remarks: »

14.4 **air transport:**

ICAO/IATA-class: »

UN/ID-No.: »

PG: »

correct technical name: »

remarks: »

14.5 **further particulars:** »no hazardous goods within the meaning of transport regulations

»

15 **Regulation**

15.1 **marking:** according to German laws concerning declaration of dangerous chemicals no marking is prescribed

danger symbol and designation: »

contains »

R-categories: »

S-categories: »

special marking of particular preparations: »

15.2 **national regulations:** acc. to article 10 of guideline EWG 88/379 and EWG 67/548

restrictions of employment: none »

instructions in case of interference: »

classification acc. to VbF: »

technical instruction air: »

water pollution class: »

other regulations, restrictions and prohibitions: »guideline EWG 91/155; medical product acc. to 93/42 EWG (medical products) and Medical Product Law (MPG) of August 2, 1994

16 **Other Particulars**

All information above has been given according to our present state of knowledge. It has been compiled to the best of our knowledge. The above-mentioned data do not represent a guarantee on characteristics. They only describe the safety requirements with regard to our products. They do not represent an assurance of product characteristics in the meaning of guarantees.