

Material-Safety Data Sheet (Directive 91/155/EEC)

1	<u>Names of Material, Preparation and Company</u>				
	trade name:	DE Healthcare Calcium Hydroxide Radiopaque water-based calcium hydroxide	Art. no.:	8014	
	manufacturer/supplier address:	DE HEALTHCARE PRODUCTS ORPINGTON, KENT, U.K. 01634878750 EMERGENCY #: CHEMTREC (800) 424-9300 INTERNATIONAL: 703-527-3887	Tel.:	+49-4721/6 33 77	
			Fax:	+49-4721/6 19 32	
			Tel.:	+49-47 21/6 33 77	
			emergency call:	+49-47 21/6 33 77	
<u>Composition/Details on Components</u>					
preparation: mixture of calcium hydroxide, zinc oxide, mineral oil, salicylic acid ester, barium sulfate					
description: self-curing radiopaque calcium hydroxide paste-paste-system					
hazardous ingredients:					
	name	CAS-No.	content	danger symbol	R-categories
	calcium hydroxide	1305-62-0	50-52 %	Xi	41
3	<u>Possible Risks</u>				
	designation of risk:	Xi, irritant			
	special details of risk (R-categories):	41			
	detrimental effects/symptoms:	causes serious damages of the eyes			
4	<u>First-Aid-Measures</u>				
	general information:				
	after inhalation:	fresh air, in case of indisposition or nausea contact a doctor			
	after skin contact:	rinse thoroughly with plenty of water			
	after eye contact:	rinse thoroughly with water, contact a doctor			
	after swallowing:	contact immediately a physician			
	information for the attending physician:	material for dental or laboratory use only			
5	<u>Fire Fighting Measures</u>				
	suitable fire extinguishing agents:	foam, carbon dioxide, powder fire extinguishers			
	unsuitable fire extinguishing agents:	water			
	particular hazards:	none			
	fire fighting protective equipment:	no data available			
6	<u>Measures in Case of Unintended Release</u>				
	measures related to persons:	avoid eye and/or skin contact			
	environmental measures:	do not let the material get in contact with sewerage systems			
	procedures of cleaning/uptake	take up mechanically, use common absorbents			
	additional information:	none			
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	no special measurements are required			
7.2	Storage:				
	demands on storerooms and containers	tightly closed at room temperature store in good ventilated rooms and areas			
	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			

Material-Safety Data Sheet (Directive 91/155/EEC)

EC-Safety Data Sheet
according to: 91/155/EEC
trade name: Radiopaque water-based calcium hydroxide

page 1 of 4
date: 07.07.95/01
revised on: 01/02/2012

Material-Safety Data Sheet (Directive 91/155/EEC)

8	<u>Exposition Restriction and Personal Protective Equipment</u>			
8.1	additional information on the equipment of technical facilities: none			
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 breath or 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:		white to yellowish (both)	
	odour:		specific	
9.2	safety data:		tested acc. to:	
	pH upon delivery:		no data available	
	pH of 10g/l H ₂ O and 20°C:		no data available	
	change of state:		no data available	
	boiling point/area:		no data available °C	
	melting point/area:		no data available °C	
	flash point:		no data available °C	
	inflammability:		no data available	
	ignition temperature:		no data available °C	
	autoignition:		no data available	
	fire advancing properties:		no data available	
	explosion hazards:		no data available	
	explosion limits: LEL:		UEL: no data available	
	vapour pressure (°C)		no data available	
	density (°C)		no data available hPa	
	bulk density:		no data available	
	solubility in water (20°C) (°C):		no data available mg/l	
	in (°C)		no data available mg/l	
	solubility in fat:		no data available	
	distribution coefficient n-octanol/water:		no data available	
	viscosity (°C):		no data available	
	solvent separation test:		no data available %	
	solvent content:		no data available %	
9.3	further particulars:		none	
10	<u>Stability and Reactivity</u>			
	conditions to be avoided:		strong acid conditions	
	materials to be avoided:		strong acids and their salts	
	hazardous products of decomposition:		none if used in the recommended way	
	further particulars:		none	

Material-Safety Data Sheet (Directive 91/155/EEC)

<p>11. Toxicological Data</p> <p>11.1 toxicological Test: no data available</p> <p>acute toxicity: no data available</p> <p>LD₅₀/LC₅₀:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 20%;">component</th> <th style="width: 15%;">kind</th> <th style="width: 15%;">value</th> <th style="width: 15%;">species</th> <th style="width: 15%;">method of determination</th> </tr> </thead> <tbody> <tr> <td>specific symptoms in animal test:</td> <td></td> <td></td> <td></td> <td>no data available</td> <td></td> </tr> <tr> <td>irritant effect/corrosive action:</td> <td></td> <td></td> <td></td> <td>no data available</td> <td></td> </tr> <tr> <td>sensitization:</td> <td></td> <td></td> <td></td> <td>no data available</td> <td></td> </tr> <tr> <td>effects of repeated exposure or overexposure (subacute or chronic toxicity):</td> <td></td> <td></td> <td></td> <td>no data available</td> <td></td> </tr> <tr> <td>carcinogenic and mutagenic effects hazardous to reproduction:</td> <td></td> <td></td> <td></td> <td>no data available</td> <td></td> </tr> <tr> <td>other particulars:</td> <td></td> <td></td> <td></td> <td>no data available</td> <td></td> </tr> </tbody> </table> <p>11.2 practical experience: no data available</p> <p>observations relevant to classifications: no data available</p> <p>other observations: no data available</p> <p>11.3 general remarks: during long-standing product application risks have not become known.</p>		component	kind	value	species	method of determination	specific symptoms in animal test:				no data available		irritant effect/corrosive action:				no data available		sensitization:				no data available		effects of repeated exposure or overexposure (subacute or chronic toxicity):				no data available		carcinogenic and mutagenic effects hazardous to reproduction:				no data available		other particulars:				no data available		
	component	kind	value	species	method of determination																																						
specific symptoms in animal test:				no data available																																							
irritant effect/corrosive action:				no data available																																							
sensitization:				no data available																																							
effects of repeated exposure or overexposure (subacute or chronic toxicity):				no data available																																							
carcinogenic and mutagenic effects hazardous to reproduction:				no data available																																							
other particulars:				no data available																																							
<p>12 <u>Ecological Data</u></p> <p>12.1 information on elimination: no data available</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">procedure</th> <th style="width: 25%;">analytic method</th> <th style="width: 25%;">degree of elimination</th> <th style="width: 25%;">classification</th> </tr> </thead> <tbody> <tr> <td>evaluation:</td> <td>no data available</td> <td></td> <td></td> </tr> <tr> <td>additional information:</td> <td>no data available</td> <td></td> <td></td> </tr> </tbody> </table> <p>12.2 behaviour in environmental compartments: no data available</p> <p>mobility and bioaccumulation potential: no data available</p> <p>additional information: none</p> <p>12.3 environmental toxic effects: no data available</p> <p>aquatic toxicity: no data available</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">organism</th> <th style="width: 15%;">test period</th> <th style="width: 15%;">test method</th> <th style="width: 15%;">result</th> <th style="width: 15%;">assessment</th> </tr> </thead> <tbody> <tr> <td>behaviour in sewage plants:</td> <td></td> <td></td> <td>no data available</td> <td></td> </tr> <tr> <td>respiratory inhibition of local vitalised sludge:</td> <td></td> <td></td> <td>no data available</td> <td></td> </tr> </tbody> </table> <p>12.4 additional information: none</p> <p>CSB-value: no data available mg/g</p> <p>BSB₅-value: no data available mg/g</p> <p>AOX-indication: no data available</p> <p>contains the following heavy metals and compounds (corresponding to guideline 76/464/EWG) according to preparation formula: none</p> <p>general information: none</p>	procedure	analytic method	degree of elimination	classification	evaluation:	no data available			additional information:	no data available			organism	test period	test method	result	assessment	behaviour in sewage plants:			no data available		respiratory inhibition of local vitalised sludge:			no data available																	
procedure	analytic method	degree of elimination	classification																																								
evaluation:	no data available																																										
additional information:	no data available																																										
organism	test period	test method	result	assessment																																							
behaviour in sewage plants:			no data available																																								
respiratory inhibition of local vitalised sludge:			no data available																																								
<p>13 <u>Disposal Instructions</u></p> <p>13.1 product:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">recommendation:</th> <th style="width: 30%;">waste name</th> <th style="width: 40%;">accountability</th> </tr> </thead> <tbody> <tr> <td></td> <td>obey local and governmental regulations</td> <td></td> </tr> <tr> <td>waste category:</td> <td></td> <td></td> </tr> </tbody> </table> <p>13.2 uncleaned packing material: obey local and governmental regulations</p> <p>recommendation: obey local and governmental regulations</p> <p>cleaning agents: common cleansing agents for the laboratory</p>	recommendation:	waste name	accountability		obey local and governmental regulations		waste category:																																				
recommendation:	waste name	accountability																																									
	obey local and governmental regulations																																										
waste category:																																											

Material-Safety Data Sheet (Directive 91/155/EEC)

14	<u>Particulars on Transport</u>		
14.1	land carriage:		
	ADR/RID/GGVS/GGVE-class:	figure/letter:	material no.:
	warning label:	risk 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	<u>Regulation</u>		
15.1	marking:	acc. to governmental regulations concerning declaration of dangerous chemicals no marking is prescribed	
	danger symbol and designation:	none	
	contains:		
	R-categories:	none	
	S-categories:	none	
	special marking of particular preparations:	none	
15.2	national regulations:	acc. to article 10 of Directive 66/379 EEC and 67/548 EEC	
	restrictions of employment:	none	
	instructions in case of interference:	none	
	classification acc. VbF:	not applicable	
	technical instruction air:	not applicable	
	water pollution class:	no data available	
	other regulations, restrictions and prohibitions:	Directive 91/155 EEC; medical product acc. to 93/42 EEC (medical products).	
16	<u>Other Particulars</u>		
	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.		