Trade name: Hardener red Safety data sheet in accordance with (EG) Nr. 1907 / 2006 Date of printing : 10.12.2010

Status:10.12.2010

01. Identification	
Product details	
Trade name	Hardener red
Application of the material / of the formulation	

Identification of the manufacturer	
Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3,
	D-72285 Pfalzgrafenweiler
Information provided by	Chemie
Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92
Emergency telephone number :	

02. Hazards possibilities	
Hazard designation	Flammable Irritating to skin.
Particular information pertaining specific risk for human	-
/ environment	

03. Composition/information on ingredients		
Chemical characterization	Härter	
Substance / product identification		
Hazardous ingredients		

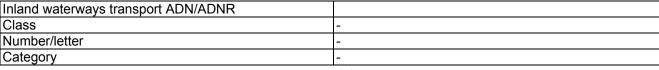
		CAS no.	EINECS no.	%	Hazard	R phrases
					symbols	
	Tetrakis(2-	18765-38-3		> 20	Xi	22, 34, 50/53
	butoxyethyl)orthosilikat					
Add	itional information		-			

04. First aid measures	
General Information	
First aid measures / inhalation.	Ensure supply of fresh air. In the event of symptoms take medical treatment.
First aid measures / skin contact.	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
First aid measures / eye contact.	In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. In case of irritation consult an occulist.
First aid measures / ingestion	Rinse out mouth and give plenty of water to drink. Do not induce vomiting - aspiration hazard. Seek medical advice immediately.
Advice to doctor	-

05. Fire-fighting measures	
Suitable extinguishing media	water spray jet carbon dioxide. dry powder foam
Extinguishing media that must not be used for safety	Full water jet
reasons	
Special exposure hazards arising from the substance	In the event of fire the following can be released:
or preparation itself, its combustion products or from	Carbon monoxide (CO) Carbon dioxide (CO2) Risk of
resulting gases.	formation of toxic pyrolysis products.
Special protective equipment for firefighting	Use self-contained breathing apparatus.
Additional informations (chapter 5)	-

06. Accidental release measures	
personal precautions.	High risk of slipping due to leakage/spillage of product. Avoid contact with skin, eyes and clothing.
environmental precautions.	Do not allow to enter drains.

ERKODENT EC safety data sheet: Hardener red Status:10.12.2010					
methods for cleaning up/taking up.			Take up with absorbent material (eg sand, kieselguhr, universal binder). Dispose of as		
Additional informations (chapter 6).			prescribed.		
07. Handling and storage Handling					
Hints on safe handling.		Observe the usual precautions for handling chemicals.			
Hints for protection against fire and explosion	n.	-		•	J
		1			
Storage					
Requirements for storage rooms and vessel Hints on storage assembly.	S.	Keep away from flammable substances.			
Further information on storage conditions.		Keep container tightly closed, cool and dry. < 30 °C			
Storage category		-			
Storage stability		-			
Recommended storage temperature		-			
08. Exposure controls/personal pr	otection				
Additional hints on technical system design.		-			
Ingredients with occupational exposure limit monitored	s to be	-			
Personal protective equipment Personal prequipment Personaliche Schutzausrüstung	otective				
Respiratory protection		_			
Hand protection		Protective gloves			
Eye protection		safety glasses			
Skin protection		light protective clothing			
General protective and hygiene measures		Avoi	d frequent c	or prolonged co	ontact with skin.
09. Physical and chemical propert	ies				
Appearance.					
Form	Pasty				
Odour Odour	red aromatic				
Cuoui	aromatic				
Safety data					
Changes in physical state	_			l°C	
Flash point				0	
	40			°C	
Ignition temperature	T				
a alf invition	-			°C	
self ignition explosion limits	l _			T	
Upper explosion limit	-				
Vapour pressure	<u>I</u>			1	
	.< 2			hpa	20 °C
Density	-				
Calubility in water	0,95			g/cm3	
Solubility in water Hydrolysed				g/l	20 °C
Soluble in	l			19"	20 0
g/I					
pH-Value					
Minneite					
Viscosity Konuspenetration	300			mm/l	20 °C
Mondapeneriation	1 300			111111/1	20 0
Other information (chapter 9.)		-			





Other regulations	
Restriction of occupation.	-
Decree for case of interference / remarks (for Germany only).	-
Classification according to VbF / remarks (for Germany only).	Class A III
TA-Luft (Ger.)	Class III 3.1.7 > 20 %
Water Hazard Class (Ger.)	-
Other regulations, restrictions and prohibition regulations (for	-
Germany only)	
Securityevaluation++Stoffsicherheitsbeurteilung	

16. Other information (chapter 16.).

(n.a. = Not applicable; n.b.= not determined)

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.