

MATERIAL SAFETY DATA SHEET

According to EG 1907/2006

As of 06/02/13

Version 2.0

Product Bonding Agent ZE

1. Product information

Product specifications:	
Product name:	Bonding Agent
Product use:	Additive for cementitious systems
Manufacturer/Supplier's Name:	PCT Chemie GmbH 71282 Hemmingen Germany Phone: +49 7150 206790 Fax: +49 7150 20679200
Emergency Contact:	+49 7150 206790

2. Hazardous Ingredients

Hazard identification:	Not applicable
Possible dangers (according to directive 67/548/EWG 1999/45/EG):	May cause sensitization by skin contact. No more dangers known as long as the regulations and instructions for storage and handling are observed

3. Physical data

Chemical definition:	Preparation on basis of: polymers and additives
Dangerous ingredients:	Not applicable

4. First-aid measures

General information:	Remove polluted clothes immediately
After inhaling:	Fresh air
After skin contact:	Wash thoroughly with water and soap. Generally the product is not skin irritating
After eye contact:	Rinse out eyes thoroughly for at least 5 minutes with water
After swallowing:	Rinse out mouth thoroughly with much water and drink lots of water

5. Fire fighting measures

Suitable extinguishing agents:	Water, spray water, foam, dry-slaking agents, carbon dioxide
Special protective gear:	wear protective respiratory gear that is independent of recirculating air

6. Accidental release measures

Personal precautions:	Wear protective gear, do not inhale vapour/aerosol/spray mist. Please observe the general precautions for the handling of chemical materials.
Environmental protection measures:	Tainted water/extinguishing water should not get into the sewerage/ surface water/ groundwater Disposal according to official regulations
Procedure of cleaning:	Absorb with liquid-binding materials, larger quantities need to be pumped out

7. Handling and storage

Handling:	Observe the general precautions with the handling of chemical materials.
Guideline for a safe handling:	No special precautions necessary when applied correctly.
Guideline for fire and explosion protection:	No special precautions necessary
Storage:	Avoid heat and store frost-protected.
Storage class:	Non-combustible liquids.

8. Exposure controls & personal protective equipment

Components with job-specific limit values that have to be monitored:	None
Additional hints:	
General protection and hygiene measures:	Light protection clothing
Respiratory protection:	When storing open IBC in small rooms with insufficient ventilation wear respiratory gear: Combination filter for organic, inorganic, acid inorganic and alkaline vapours.
Hand protecting grip:	Tight gloves
Glove material:	Rubber
Eye protection:	Safety goggles with side protection

9. Physical and chemical features

General information:	
Shape:	liquid
Colour:	light yellow to honey
Smell:	characteristic
Change of state:	
Melting point/Melting range:	
Boiling point/Boiling range:	100° C
Flashpoint:	Not applicable
Spontaneous ignitability:	Not spontaneously ignitable
Explosion hazard:	Not explosion-prone
Vapour pressure at 20°C:	23 hPA
Density at 20°C:	approx. 1.06
Solubility in/Miscibility with water:	miscible
PH- Value:	6-9

10. Stability and Reactivity

Thermic decomposition/avoidable conditions:	No decomposition
Dangerous reactions:	No dangerous reactions known
Dangerous decomposition products:	Not known

11. Toxicological information

Acute toxicity:	
Primary stimulation effect	
At the skin:	No stimulation effect
At the eye:	No stimulation effect
Sensitization:	
Additional toxicological information:	Not subject to labelling according to the calculation procedure of the „General Classification guideline for preparations of the EU“

12. Environmental information

General hints:	WGK 1 (self declared): slightly water hazard
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13. Disposal information

Recommendation:	Do not dispose with domestic waste
Uncleaned packaging:	May be used again after cleaning
Recommended detergent:	Water

14. Shipment information

Land shipment ADR/RID and GGVS/GGVE (cross-border/domestical):	
ADR/RID-GGVS/E Classification	-
Transportation by ship IMDG/GGVSee:	
IMDG/GGVSee-Classification:	No

Marine pollutant:	-
Air transport ICAO-TI and IATA-DGR:	
ICAO/IATA-Classification:	-
Transport/miscellaneous information:	No hazardous good

15. Legislation

Labelling according to EWG-guidelines:	Due to EU directives and the ordinance of hazardous substances the product is not subject to labelling
Special labelling of certain compositions:	
National regulations:	
Water hazard classification	WGK 1 (self declared): slightly water hazard
Miscellaneous regulations, restrictions and prohibition ordinances:	

16. Miscellaneous information

Data sheet issuing authority:	PCT Chemie Hemmingen
Contact partner:	Dept.: Technical Services

The information mentioned above is based on our current knowledge and does not present a warranty of any feature and therefore does not justify a legal relationship or any warranty claim. Existing laws and regulations need to be observed by the recipient's sole responsibility. The technical data sheet that is currently in force is downloadable at www.pct-chemie.de.