

Material Safety Data Sheet
ADHERE
 according to (EC) No. 1907/2006

1. Product/Company Identification

Trade Name:	ADHERE
Reference Number:	624-301
Date of Issue:	09.20.2013
Product Description:	Temporary cement
Company Name	COSMEDENT, Inc 401 N Michigan Ave. Ste. 2500 Chicago, IL 60611 USA
Emergency information:	Mary OMalley 312-644-9586 or 312-720-0701 mary@cosmedent.com

2. Hazards identification

Risk identification:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Special risks for human beings and environment:	Irritating eyes, respiration, skin.
Classification:	classification corresponds to actual EC guidelines, however completed with details from technical literature and company data.

3. Composition/Information on Ingredients

Chemical characterization:	Mixture of organic acids, zinc oxide and methacrylates	
Description:		
Hazardous components:		
<u>No.:</u>	<u>Name</u>	<u>R-classification</u>
CAS-No. [1314-13-2]	Zinc oxide	N, R50/53
Index-No. [607-134-00-4]	Methacrylates	Xi, R36/37/38

4. First-aid measures

General information:	
after skin contact:	wash with plenty of water and soap
after eye contact:	rinse with plenty of water and consult a physician
after swallowing:	seek medical advice immediately

5. Fire fighting measures

Extinguishing media:	dry chemical foam, carbon dioxide, water
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6. <u>Accidental release measures</u>	
Personal precautions:	
Environmental precautions:	Do not allow to enter sewerage system
Methods for cleaning up:	Take up dry and forward for disposal
Additional information:	
7. <u>Handling and storage</u>	
Handling:	This product should only be supplied or handled to dentists, dental technicians or upon their instructions.
Handling procedures:	Normal hygienic measures
storage:	store at dry place, at room temperature, store away from food stuffs
8. <u>Exposure controls/personal protection</u>	
Additional information for technical plants:	
Components with limits of values to be supervised at the workplace:	
<u>CAS-Nr.</u>	<u>name</u>
<u>art</u>	<u>value</u>
<u>unit</u>	
The product contains no relevant quantities of components with limits of values to be supervised at the workplace.	
Additional information:	
Personal protective equipment:	not necessary
General measures of protection and hygiene:	normal hygienic measures
respiration:	
hands:	wear gloves
eyes:	

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9. <u>Physical and chemical properties</u>			
Appearance			
Form:	paste, white yelloish		
Color:	white yelloish		
Odor:	odourless		
	<u>Value</u>	<u>Unit</u>	<u>Method</u>
Information on change in the physical state			
Melting point/melting range:	n.a.		
Boiling point/boiling range:	n.a.		
Flash point:	n.e.		
Autoignition temperature:	n.e.		
Danger of explosion:	none		
Density:	1,71 (20 °C)	g/cm ³	
Vapour pressure:	n.a.		
Viscosity:	paste		
pH:	5		
Solubility in/miscibility with:	slightly in toluene, organic solvents		
Water:	unsoluble		
Content of solvents:	none		
Organic solvents:	none		
Water:	none		
Content of solids:	n.a.		
10. <u>Stability and reactivity</u>			
	stable, avoid high heat and fire		
Incompatibility with other substances:	strong oxidation agents		
Hazardous discomposition products:	not known		
11. <u>Toxicological information</u>			
Acute toxicity:	LD ₅₀ (oral rat): >5000mg/kg (zinc oxide)		
Primary irritation:			
skin:	slight irritating		
eye:	irritating		
inhalation:	none		
ingestion:	not observed		
Sensitization of product:	not observed		
additional toxikological information:	During the long period of use as temporary cement no health deseases are reported.		

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12. <u>Ecological information</u>	
General information:	Do not allow to enter waters, wast water or soil.
Classification of water endangerment:	
13. <u>Disposal considerations</u>	
Product:	
Recommendation:	use proper landfill disposal or incineration in accordance with local, state and federal regulations
14. <u>Transport information</u>	
Land transport ADR/RID and GGVS/GGVE (Germany)	Not classified as dangerous goods.
Sea transport IMDG	Not classified as dangerous goods.
Air transport ICAO-TI and IATA-DGR	Not classified as dangerous goods.
15. <u>Regulatory information</u>	
Classification according to EC-guidelines:	N dangerous for the environment R50/53 very toxic to aquatic organisms, may cause long term adverse effect in the aquatic environment Xi Irritating R36/37/38 Irritating eyes, respiration, skin.
National Prescriptions:	
16. <u>Other information:</u>	
Changes compared with the previous version:	Adaptation according to REACH-regulation (EC) No. 1907/2006
	The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.