

Material Safety Data Sheet According to 91/155 EC

Trade name: anaxACRYL RS

Printing date 10.06.2008

Version 2

1 Identification of substance:

- Product details:
- Trade name: anaxACRYL RS
- Article number: 195.....
- Application of the substance / the preparation: Auxiliary for dental technology
- Manufacturer / Supplier:
anax dent GmbH Olgastrasse 120A D-70180 Stuttgart
Tel. 0049 711 620092.0 Fax 0049 711 620092.29
email: akopietz@anaxdent.com
- Further information obtainable from: Andreas Kopietz
- Information in case of emergency: 0049 711 6200920

2 Composition / Data on components:

- Chemical characterization
- Description: Acryl-resin on base of polymethylmethacrylate.
- Dangerous components:

CAS: 94-36-0 EINECS: 202-327-6	dibenzoyl peroxide	 Xi,  E; R 2-36-43	2,5-10%
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- Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazard identification

- Hazard description:



Xi Irritant

- Information concerning to particular hazards to man and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 43 May cause sensitisation by skin contact.
- Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First aid measures

- After inhalation: Supply fresh air and to be sure call for a doctor.
- After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

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5 Fire fighting measures				
<ul style="list-style-type: none">• Suitable extinguishing agents: Carbon dioxide, Fire-extinguishing powder, Foam, Water haze.• For safety reasons unsuitable extinguishing agents: Water with full jet.• Protective equipment: No special measures required.				
6 Accidental release measures				
<ul style="list-style-type: none">• Person-related safety precautions: Avoid eye and skin contact with the substance.• Measures for environmental protection: No special measures required. Do not allow to enter sewers/ surface or ground water.• Measures for cleaning/collecting: Pick up mechanically. Dispose contaminated material as waste according to item 13.				
7 Handling and storage				
Handling				
<ul style="list-style-type: none">• Information for safe handling: Prevent formation of dust.• Information about fire - and explosion protection: No special measures required.				
Storage				
<ul style="list-style-type: none">• Requirements to be met by storerooms and receptacles: No special requirements.• Information about storage in one common storage facility: Store away from foodstuffs.• Further information about storage conditions: Store in dry conditions.				
8 Exposure controls and personal protection gear				
<ul style="list-style-type: none">• Additional information about design of technical facilities: No further data; see item 7.• Ingredients with limit values that require monitoring at the workplace:				
<table><tr><td colspan="2">94-36-0 dibenzoyl peroxide</td></tr><tr><td>OES</td><td>Long-term value: 5 mg/m³</td></tr></table>	94-36-0 dibenzoyl peroxide		OES	Long-term value: 5 mg/m³
94-36-0 dibenzoyl peroxide				
OES	Long-term value: 5 mg/m³			
<ul style="list-style-type: none">• Additional information: The lists valid during the making were used as basis.• Personal protective equipment• General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.• Respiratory protection: Not necessary if room is well-ventilated.• Protection of hands: Protective gloves.• Material of gloves Butyl rubber, BR.• Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.• Eye protection: Safety glasses				
9 Physical and chemical properties:				
<ul style="list-style-type: none">• General information				
Form: Powder				
Colour: Red				

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<p>Odour:</p> <ul style="list-style-type: none"> • Change in condition <p>Boiling point / Boiling range:</p> <ul style="list-style-type: none"> • Flash point: • Ignition temperature: • Self-igniting: • Danger of explosion: • Explosion limits: lower: upper: • Vapour pressure: • Density: • Bulk density at 20°C: • Solubility in / Miscibility with water: • pH-value: • Viscosity: kinematic: • Solvent content: Organic solvents: • Solids content: 	<p>Nearly odourless</p> <p>Undetermined</p> <p>251°C</p> <p>►400°C</p> <p>Product is not self-igniting.</p> <p>Product does not present an explosion hazard.</p> <p>Not determined</p> <p>Not determined</p> <p>Not determined</p> <p>1,16 g/cm³</p> <p>700 - 750 kg/m³</p> <p>Insoluble</p> <p>Not determined</p> <p>Not determined</p> <p>0,0%</p> <p>100,0%</p>
<p>10 Stability and reactivity</p> <ul style="list-style-type: none"> • Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications. • Dangerous reactions: No dangerous reactions known. <p>Dangerous decomposition products: At temperatures above 250°C, depolymerisation and the release of starting monomers can arise.</p>	
<p>11 Toxicological information</p> <ul style="list-style-type: none"> • Acute toxicity: • LD/LC50 values relevant for classification: Dibenzoyl peroxide 78% LD-50 oral ► 5000 mg/kg rat (lit.) • Primary irritant effect: • on the skin: Irritant to skin and mucous membranes. • on the eye: Irritating effect. • Sensitisation: Sensitisation possible through skin contact. • Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. Irritant • Sensitisation: May cause sensitisation by skin contact. 	

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12 Ecological information: <ul style="list-style-type: none">• General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
13 Disposal considerations <ul style="list-style-type: none">• Product:• Recommendation: Must be specially treated adhering to official regulations.• European waste catalogue: 07 02 13 waste plastic• Uncleaned packaging:• Recommendation: Packagings that may not be cleansed are to be disposed of in the same manner as the product.
14 Transport information <ul style="list-style-type: none">• Land transport ADR/RID (cross-border)• ADR/RID class: - • Maritime transport IMDG:• IMDG Class: -• Marine pollutant: No • Air transport ICAO-TI and IATA-DGR:• ICAO/IATA Class: -• Transport/Additional information: Not dangerous according to the above specifications.
15 Regulations <ul style="list-style-type: none">• Labelling according to EU guidelines: Observe the general safety regulations when handling chemicals. The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.• Code letter and hazard designation of product: Xi Irritant• Hazard-determining components of labelling: dibenzoyl peroxide• Risk phrases: 43 May cause sensitisation by skin contact.• Safety phrases: 24 Avoid contact with skin. 37 Wear suitable gloves. 60 This material and its container must be disposed of as hazardous waste.• National regulations• Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases
2 Risk of explosion by shock, friction, fire or other sources of ignition.
36 Irritating to eyes.
43 May cause sensitisation by skin contact.
- Department issuing MSDS: anax dent GmbH
- Contact: Andreas Kopietz