

Material Safety Data Sheet According to 91/155 EC

Trade name: Acryline Marker

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Version 2

1 Identification of substance:

- Product details:
- Trade name: Acryline Marker
- Article number: 1720....
- Application of the substance / the preparation: self curing resin
- 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: 13463-67-7	titanium dioxide	2,5-10%
EINECS: 236-675-5		

- Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazard identification

- Hazard description: not applicable
- Information concerning to particular hazards to man and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system: The classification is according to the latest edit ions of the EU-lists, and extended by company and literature data.

4 First aid measures

- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- 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.
- After swallowing: If symptoms persist consult doctor.

5 Fire fighting measures

- 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.

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<p>6 Accidental release measures</p> <ul style="list-style-type: none"> • Person-related safety precautions: Avoid eye and skin contact with the substance. • Measures for environmental protection: Do not allow to enter sewers/ surface or ground water. • Measures for cleaning/collecting: Pick up mechanically. • Additional information: No dangerous substances are released. 											
<p>7 Handling and storage</p> <p>Handling</p> <ul style="list-style-type: none"> • Information for safe handling: Prevent formation of dust. • Information about fire - and explosion protection: No special measures required. <p>Storage</p> <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. 											
<p>8 Exposure controls and personal protection gear</p> <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 border="1"> <tr> <td colspan="2">13463-67-7 titanium dioxide</td> </tr> <tr> <td>OES</td> <td>Long-term value: 10* 4** mg/m³ *total inhalable dust **respirable dust</td> </tr> </table> <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: Do not inhale dust / smoke / mist. • 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: Not required. 		13463-67-7 titanium dioxide		OES	Long-term value: 10* 4** mg/m ³ *total inhalable dust **respirable dust						
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OES	Long-term value: 10* 4** mg/m ³ *total inhalable dust **respirable dust										
<p>9 Physical and chemical properties:</p> <ul style="list-style-type: none"> • General information <table> <tr> <td>Form:</td> <td>Powder</td> </tr> <tr> <td>Colour:</td> <td>According to product specification.</td> </tr> <tr> <td>Odour:</td> <td>Nearly odourless</td> </tr> </table> <ul style="list-style-type: none"> • Change in condition <table> <tr> <td>Melting point / Melting range:</td> <td>110°C</td> </tr> <tr> <td>Boiling point / Boiling range:</td> <td>Undetermined</td> </tr> </table> <ul style="list-style-type: none"> • Flash point: 251°C • Ignition temperature: ▶400°C 		Form:	Powder	Colour:	According to product specification.	Odour:	Nearly odourless	Melting point / Melting range:	110°C	Boiling point / Boiling range:	Undetermined
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<ul style="list-style-type: none">• Self-igniting:• Danger of explosion:• Explosion limits:<ul style="list-style-type: none">lower:upper:• Vapour pressure:• Density:• Solubility in / Miscibility with<ul style="list-style-type: none">water:• pH-value:• Viscosity:<ul style="list-style-type: none">kinematic:• Solvent content:<ul style="list-style-type: none">Organic solvents:• Solids content:	<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>Not determined</p> <p>Insoluble</p> <p>Not determined</p> <p>Not determined</p> <p>0,0%</p> <p>100,0%</p>
10 Stability and reactivity <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.• Dangerous decomposition products: During thermic decomposition, flammable fumes which may irritate the eyes and which consist of methylmethacrylate are developed.	
11 Toxicological information <ul style="list-style-type: none">• Acute toxicity:• Primary irritant effect:<ul style="list-style-type: none">on the skin: No irritant effect.on the eye: No irritating effect.• Sensitisation: Sensitising effect by skin contact is possible by prolonged exposure.• Additional toxicological information: Caused by our manufacturing procedures, there is a content of dibenzoylperoxide of max. 0,5 %. The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.	
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.	

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13 Disposal considerations

- Product:
- Recommendation: On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste. Smaller quantities can be disposed of with household waste.
- 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

- 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

- Labelling according to EU guidelines:
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- Special labelling of certain preparations:
Contains dibenzoyl peroxide. May produce an allergic reaction.
- National regulations
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.

- Department issuing MSDS: anax dent GmbH
- Contact: Andreas Kopietz