

**1 Product identification/preparation/company undertaking**

**Product details**

**Trade name:**

**BQ TRAY**

**Manufacturer/supplier:**

Meta Dental Corp  
73-15 88th Street, Glendale, NY 11385 USA

**Emergency information:**

Meta Dental Corp  
1-718-639-7460

**2 Composition/Information of Ingredients**

**Chemical characterization:**

Light curing custom tray materials based on esters of acrylic acids and glass fillers

**Description:**

**Hazardous components:**

Acrylic Esters

Index-Nr.:   Name   R-classification

**607-133-00-9 Acrylic Ester Xi, R36/37/38**

**3 Hazards identification**

**Risk identification:**

**Special risks for human beings and environment:**

irritating eyes, respiratory and skin

**Classification:**

classification corresponds to actual EEC guidelines, additional information by literature

**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:**

CO<sub>2</sub>, water, foam, powder

**Protective equipment:**

**6 Accidental release measures**

<b>Personal precautions:</b>	not necessary
<b>Environmental precautions:</b>	do not let the material come into contact with the environment in a not cure state
<b>Methods for cleaning up:</b>	not cured material: use isopropanol or ethyl acetate cured material: treat it like a plastic disposal
<b>Additional information:</b>	

**7 Handling and storage**

<b>Handling:</b>	
<b>Handling procedures:</b>	none by correct handling and storage
<b>Recommendation for fire and explosion protection:</b>	
<b>storage:</b>	store at a dry place, at room temperature, store away from food stuffs
<b>Requirements at storerooms and containers:</b>	store trays cool, dry and protect them against light and keep them closed.
<b>Requirements for storage with other products:</b>	
<b>Additional storage conditions:</b>	
<b>Storage classification:</b>	<b>VBF classification:</b>

**8 Exposure controls/personal protection**

**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>
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**Additional information:**

<b>Personal protective equipment:</b>	not necessary
<b>General measures of protection and hygiene:</b>	avoid contact with eyes and skin, normal hygienic
<b>respiration:</b>	not necessary
<b>hands:</b>	wear gloves
<b>eyes:</b>	eye protection necessary

## 9 Physical and chemical properties

### Appearance

<b>Form:</b>	kneadable stiff plaste
<b>Colour:</b>	various
<b>Odour:</b>	weak

	Value	Unit	Method
<b>Information on change in the physical state</b>			
<b>Melting point/melting range:</b>	n.a.		
<b>Boiling point/boiling range:</b>	n.a.		
<b>Flash point:</b>	>150	°C	DIN 51758
<b>Autoignation temperature:</b>	n.a.		
<b>Danger of explosion:</b>	none (nonvolatile)		
<b>Density:</b>	1.84	g/cm <sup>3</sup>	
<b>Vapour pressure:</b>	n.a.		
<b>Viscosity:</b>	kneadable stiff consistency		
<b>pH:</b>	neutral		
<b>Solubility in/miscibility with:</b>	slightly in isopropanol; soluble in acetic acid ester		
<b>Water</b>	insoluble		
<b>Content of solvents:</b>	none		
<b>Organic solvents:</b>	<b>Water:</b> -		
<b>Content of solids:</b>	n.a.		

## 10 Stability and reactivity

unstable by heat, direct sunlight and radical starters

<b>Incompatible with other substances:</b>	heat, sunlight and light
<b>Hazardous decomposition products:</b>	none by proper use

## 11 Toxicological information

<b>Acute toxicity:</b>	swallowing: >60,000 mg/kg (estimated)
<b>Primary irritation skin:</b>	not irritating (species rabbit)
<b>eye:</b>	irritating
<b>inhalation:</b>	n.a. (nonvolatile)
<b>ingestion:</b>	possible toxic when swallowed
<b>Sensitization of products:</b>	not observe
<b>Additional toxicological information:</b>	allergic reaction to methacrylate by chronic exposition to product are possible. During the long period of use as tray material no health diseases are

## 12 Ecological information

### General information:

**Degrance**

not determined

**Fish toxicity:**

not determined

**Classification of water endangerment:**

2 (self estimation)

**Additional information**

do not let the cured products come into contact with environment

## 13 Disposal consideration

**Recommendation:**

not cured material use proper landfill disposal in accordance with local, state and federal regulations

**Disposal key number:**

55373 (other not halogenous solvents)

**Uncleaned packaging:**

**Recommendation:**

## 14 Transport information

**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 Regulatory information

Classification according to

**EEC guidelines:**

**According to GEFStoffV/EG**

classification necessary  
(acrylic acid methyl ester)

**Danger symbols**

Xi irritating

**Danger (R-symbols)** R 36/37/38 irritating eyes, respiration, skin

**Security (S-symbols)** S 26 by contact with eyes rinse with plenty of water and consult a physician  
S 28.3 by contact with skin wash immediately with water and soap

**National Prescriptions:**

none

**Classification according to VbF:**

n.a.

## 16 Other information

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.