

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.01.2012

Revision: 26.01.2012

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name** **BOTAMENT A 60 (Komponente B)**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**
Polyester resin
Hardening agent/ Curing agent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** BOTAMENT Systembaustoffe
Am Kruppwald 1
D-46238 Bottrop

Tel.: ++49(0)2041 101-90
Fax.: ++49(0)2041 101-988
- **Informing department:** Product safety department.
msds@botament.com
- **Emergency telephone number:** Tel.: ++49(0)178 310 10 43

2 Hazards identification


- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**




GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.


- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

 Xi; Irritant

R36: Irritating to eyes.

 Xi; Sensitising

R43: May cause sensitisation by skin contact.

 O; Oxidising

R7: May cause fire.

- **Classification system:** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- **Label elements**

- **Labelling according to EU guidelines:**

The product has been labelled in accordance with EC Directives / relevant national laws.

- **Code letter and hazard designation of product:**



Xi Irritant
O Oxidising

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- **Hazard-determining components of labelling:** dibenzoyl peroxide
- **Risk phrases:**
 - 7 May cause fire.
 - 36 Irritating to eyes.
 - 43 May cause sensitisation by skin contact.
- **Safety phrases:**
 - 3/7 Keep container tightly closed in a cool place.
 - 14 Keep away from reducing agents, heavy metal compounds, acids and alkalis.
 - 24 Avoid contact with skin.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 37/39 Wear suitable gloves and eye/face protection.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 94-36-0	dibenzoyl peroxide	25-50%
EINECS: 202-327-6	Xi R36; Xi R43; E R3; O R7 Org. Perox. B, H241; Eye Irrit. 2, H319; Skin Sens. 1, H317	

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

4 First aid measures

- **Description of first aid measures**
- **After inhalation** Void
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
Seek medical treatment.
- **After swallowing** Rinse out mouth and then drink plenty of water.
Seek medical treatment.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

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5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Collect mechanically.
- **Reference to other sections** See Section 8 for information on personal protection equipment.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Open and handle container with care.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with critical values that require monitoring at the workplace:**

94-36-0 dibenzoyl peroxide (25-50%)

WEL () Long-term value: 5 mg/m³

84-61-7 dicyclohexyl phthalate (25-50%)

WEL () Long-term value: 5 mg/m³

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- **Additional information:** *The lists that were valid during the compilation were used as basis.*

- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** *Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.*

- **Breathing equipment:** *Not required.*
- **Protection of hands:** *Protective gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.*

- **Material of gloves** *Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

- **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:** *Tightly sealed safety glasses.*
- **Body protection:** *Protective work clothing.*

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Powder
- **Colour:** Whitish
- **Smell:** Odourless

· **Change in condition**

- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** Not determined

· **Flash point:** > 110°C

· **Inflammability (solid, gaseous)** Kann Brand verursachen

· **Ignition temperature:** 380°C

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Density at 20°C** 1.01 g/cm³

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- **Solubility in / Miscibility with Water:** *Insoluble*
- **Other information** *No further relevant information available.*

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Possibility of hazardous reactions** *No dangerous reactions known*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *No dangerous decomposition products known*

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
- **on the eye:** *Irritant effect.*
- **Sensitization:** *Sensitization possible by skin contact.*
- **Additional toxicological information:** *The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant*

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Mobility in soil** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:** *Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.*
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

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· **Other adverse effects** *No further relevant information available.*

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** *Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Achtung!! Das Produkt enthält ca. 40% Peroxide.*

- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

14 Transport information

- **UN-Number**
- **ADR, ADN, IMDG, IATA** *Void*

- **UN proper shipping name**
- **ADR, ADN, IMDG, IATA** *Void*

- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** *Void*

- **Packing group**
- **ADR, IMDG, IATA** *Void*

- **Environmental hazards:**
- **Marine pollutant:** *No*

- **Special precautions for user** *Not applicable.*

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** *Not applicable.*

- **UN "Model Regulation":** *-*

15 Regulatory information

- **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases** *H241 Heating may cause a fire or explosion.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.*

- R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.*
- R36 Irritating to eyes.*

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R43 May cause sensitisation by skin contact.
R7 May cause fire.

· **Department issuing data specification sheet:**

Environment protection department.

· **Contact:**

Mr. Hemming

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

· *** Data compared to the previous version altered.**

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