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**1 Identification of substance:****. Product details:****. Trade name:** Schnellklebstoff X 60 (Komponente A)**. Application of the substance / the preparation** Polymerization catalyst**. Manufacturer/Supplier:** Hottinger Baldwin Messtechnik GmbH  
Im Tiefen See 45  
D-64293 Darmstadt

Tel.: +49 (0)6151 803-0

**. Information department:** AGU: +49(0)6151/ 803 434 or +49(0)170/7743003 Eberhard Parthey  
e-mail: eberhard\_parthey@web.de**. Emergency information:** Advice centre for poisoning university Mainz phone +49(0)6131/19240  
or poison information:+49(0)700/GIFTINFO**2 Composition/Data on components:****. Chemical characterization****. Description:** Acrylolymer based on methyl methacrylate with inorganic extender**. Dangerous components:**  
94-36-0 dibenzoyl peroxide

Xi, E; R 2-36-43 &lt; 2.5%

**3 Hazards identification****. Hazard description:** Xi Irritant**. Information pertaining to particular dangers for 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 sensitization by skin contact.

**. Classification system**

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

**. NFPA ratings (scale 0-4)**Health = 1  
Fire = 0  
Reactivity = 0**4 First aid measures****. After inhalation** Supply fresh air; consult doctor in case of complaints.  
**. After skin contact** Immediately wash with water and soap and rinse thoroughly.  
**. After eye contact** Rinse opened eye for several minutes under running water.  
**. After swallowing** Seek immediate medical advice.**5 Fire fighting measures****. Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
**. Protective equipment:** No special measures required.**6 Accidental release measures****. Person-related safety precautions:** Avoid formation of dust.  
**. Measures for environmental protection:** No special measures required.

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- . **Measures for cleaning/collecting:** Pick up mechanically.

## 7 Handling and storage

- . **Handling**
- . **Information for safe handling:** Prevent formation of dust.
- . **Information about protection against explosions and fires:** No special measures required.
- . **Storage**
- . **Requirements to be met by storerooms and receptacles:** No special requirements.
- . **Information about storage in one common storage facility:** Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
- . **Further information about storage conditions:** None.

## 8 Exposure controls and personal protection

- . **Additional information about design of technical systems:** No further data; see item 7.
- . **Components with limit values that require monitoring at the workplace:**  
**94-36-0 dibenzoyl peroxide**  
  - PEL 5 mg/m<sup>3</sup>
  - REL 5 mg/m<sup>3</sup>
  - TLV 5 mg/m<sup>3</sup>
- . **Additional information:** The lists that were valid during the creation were used as basis.
- . **Personal protective equipment**
- . **General protective and hygienic measures** Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.
- . **Breathing equipment:** Not required.
- . **Protection of hands:** Protective gloves.
- . **Material of gloves** 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- . **Eye protection:** Not required.

## 9 Physical and chemical properties:

- . **General Information**
  - Form:** Powder
  - Color:** Whitish
  - Odor:** Odorless
- . **Change in condition**
  - Melting point/Melting range:** undetermined
  - Boiling point/Boiling range:** undetermined
  - Fusion temperature / range:** ca. 110°C (ca. 230°F)

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- . **Flash point:** Not applicable
- . **Auto igniting:** Product is not selfigniting.
- . **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- . **Density at 20°C (68°F):** 2 g/cm<sup>3</sup>
- . **Bulk density at 20°C (68°F):** 700-750 kg/m<sup>3</sup>
- . **Solubility in / Miscibility with Water:** Insoluble

**10 Stability and reactivity**

- . **Thermal decomposition / conditions to be avoided:** Stable at ambient temperature
- . **Dangerous reactions**
  - Reacts with strong acids and oxidizing agents
  - Reacts with alkali (lyes)
  - Reacts with reducing agents
  - Reacts with powdered metals
- . **Dangerous products of decomposition:** Possible in traces.  
Irritant gases/vapors  
methyl methacrylat

**11 Toxicological information**

- . **Acute toxicity:**
- . **LD/LC50 values that are relevant for classification:**  
Oral LD50 >2000 mg/kg (rat)
- . **Primary irritant effect:**
- . **on the skin:** May cause sensitization by skin contact.
- . **on the eye:** No irritant effect.
- . **Sensitization:** Sensitization 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

**12 Ecological information:**

- . **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**

- . **Product:**
- . **Recommendation** Waste is hazardous. It must be disposed of in accordance with the regulations after consultation of the competent local authorities and the disposal company in a suitable and licensed facility.

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

## 14 Transport Information

- . **Land transport ADR/RID (cross-border)**
- . **ADR/RID class:** -
- . **Maritime transport IMDG:**
- . **Marine pollutant:** No

## 15 Regulations

- . **SARA Section 355 (extremely hazardous substances)**  
None of the ingredients is listed.
- . **SARA Section 313 (specific toxic chemical listings)**  
94-36-0 dibenzoyl peroxide
- . **TSCA (Toxic Substances Control Act)**  
9011-14-7 Polymethylmethacrylate  
94-36-0 dibenzoyl peroxide  
84-61-7 Dicyclohexylphthalat
- . **Prop 65 - Chemicals known to cause cancer**  
None of the ingredients is listed.
- . **Carcinogeny categories**
- . **EPA (Environmental Protection Agency)**  
None of the ingredients is listed.
- . **IARC (International Agency for Research on Cancer)**  
9011-14-7 Polymethylmethacrylat 3  
94-36-0 dibenzoyl peroxide 3
- . **NTP (National Toxicology Program)**  
None of the ingredients is listed.
- . **TLV (Threshold Limit Value established by ACGIH)**  
94-36-0 dibenzoyl peroxide A4
- . **MAK (German Maximum Workplace Concentration)**  
None of the ingredients is listed.
- . **NIOSH-Ca (National Institute for Occupational Safety and Health)**  
None of the ingredients is listed.
- . **OSHA-Ca (Occupational Safety & Health Administration)**  
None of the ingredients is listed.
- . **Markings according to EU guidelines:** 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 sensitization 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.

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**Material Safety Data Sheet**  
acc. to ISO/DIS 11014



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**. National regulations**

**. Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**. Other regulations, limitations and prohibitive regulations** Swiss toxic class: 4  
BAG T No.:40056

**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:** Department: AGU  
**. Contact:** Mr. Eberhard Parthey  
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**. \* Data compared to the previous version altered.**

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