

X60 - A

Revision date: 15.02.2018

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1. Identification**Product identifier**

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Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Adhesives, sealants
Polymerization. - Catalyst.

Details of the supplier of the safety data sheet

Company name: Hottinger Baldwin Messtechnik GmbH
Darmstadt
Street: Im Tiefen See 45
Place: D-64293 Darmstadt
Telephone: +49 (0)6151 803-0
e-mail: info@de.hbm.com
e-mail (Contact person): support@hbm.com
Internet: www.hbm.com
Responsible Department: Customer Care Center CCC +49 6151 803 0
Emergency phone number: +49(0)6131/19240

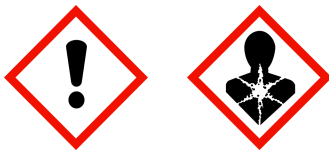
2. Hazard(s) identification**Classification of the chemical****Regulation (EC) No. 1272/2008**

Respiratory or skin sensitization: Skin Sens. 1A
Reproductive toxicity: Repr. 1A

Label elements**Regulation (EC) No. 1272/2008**

Signal word: Danger

Pictograms:

**Hazard statements**

May cause an allergic skin reaction
May damage the unborn child

Precautionary statements

Obtain special instructions before use.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
If exposed or concerned: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.

Hazards not otherwise classified

Danger of dust explosion.

3. Composition/information on ingredients**Mixtures**

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Chemical characterization

Acrylpolymere based on methyl methacrylat with inorganic extender
Mixture related information

Hazardous components

CAS No	Components	Quantity
84-61-7	Dicyclohexylphthalat	0,5-1,5%
94-36-0	dibenzoyl peroxide; benzoyl peroxide	0,5-1,5 %

4. First-aid measures**Description of first aid measures****After inhalation**

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Seek medical advice immediately.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

No information available.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO₂). Extinguishing powder.
Water spray. In case of major fire and large quantities: alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

In case of fire may be liberated: Carbon monoxide Carbon dioxide. Organische Zersetzungsprodukte

Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

Environmental precautions

Do not allow to enter into surface water or drains.

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Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections

Personal protection equipment (PPE): see section 8

7. Handling and storage

Precautions for safe handling

Further information on handling

Avoid: Dust deposits

Avoid dust formation.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container dry. Keep container tightly closed.

8. Exposure controls/personal protection

Control parameters

Exposure limits

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
94-36-0	Benzoyl peroxide	-	5		TWA (8 h)	PEL
		-	5		TWA (8 h)	REL

Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Do not breathe gas/fume/vapour/spray.

Protective and hygiene measures

Protect skin by using skin protective cream.

Remove contaminated, saturated clothing immediately.

After work, wash hands and face.

When using do not eat or drink.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. DIN EN 374

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Wear suitable protective clothing and gloves.

Suitable gloves type: NBR (Nitrile rubber).

Thickness of glove material: $\geq 0,4$ mm

Skin protection

Wear suitable protective clothing.

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Respiratory protection

Recommendation: Use appropriate respiratory protection.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	Powder
Color:	whitish
Odor:	odorless

Test method**Changes in the physical state**

Softening point: ~ 110 °C

Flash point: >215 °C

Explosive properties

Explosive dust-air mixtures may form.

Vapor pressure: not determined

Vapor pressure: not determined

Density (at 20 °C): approx. 2 g/cm³Bulk density (at 20 °C): 700-750 kg/m³

Water solubility: not determined

Solubility in other solvents

The polymer component is soluble in: hydrocarbons. ketone. ester

Partition coefficient: not determined

Vapor density: not determined

Evaporation rate: not determined

Other information

No information available.

10. Stability and reactivity**Reactivity**

No information available.

Chemical stability

No information available.

Possibility of hazardous reactions

No dangerous reactions are known.

Conditions to avoid

Protect against direct sunlight.

Incompatible materials

Reducing agent. Oxidizing agents, strong.

Hazardous decomposition products

Possible in traces: > 150°C:

- Gas/vapours, irritant.

- Methyl methacrylate.

11. Toxicological information

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Information on toxicological effects**Acute toxicity**

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitizing effects

May cause an allergic skin reaction (dibenzoyl peroxide; benzoyl peroxide; Dicyclohexylphthalat)

May cause sensitization by skin contact.

Carcinogenic/mutagenic/toxic effects for reproduction

May damage the unborn child (Dicyclohexylphthalat)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

12. Ecological information**Ecotoxicity**

Acute toxicity

Aquatic toxicity, Harmful to fish. LC50: Poecilia reticulata (Guppy).

Aquatic toxicity, EC50: Daphnia pulex (water flea).

Aquatic toxicity, Toxicity to other aquatic plants/organisms. EC50 Pseudokirchneriella subcapitata.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:**

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**UN number:**

No dangerous good in sense of this transport regulation.

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UN proper shipping name: No dangerous good in sense of this transport regulation.
Transport hazard class(es): No dangerous good in sense of this transport regulation.
Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number: No dangerous good in sense of this transport regulation.
UN proper shipping name: No dangerous good in sense of this transport regulation.
Transport hazard class(es): No dangerous good in sense of this transport regulation.
Packing group: No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

15. Regulatory information**U.S. Regulations****National regulatory information**

SARA Section 311/312 Hazards:

Benzoyl peroxide (94-36-0): Reactive, Immediate (acute) health hazard

Dicyclohexylphthalat (84-61-7): Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Benzoyl peroxide (94-36-0): De minimis limit = 1.0 %, Reportable threshold = Standard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information**Changes**

Revision date: 15.02.2018

Revision No: 1,06

This data sheet contains changes from the previous version in section(s): 2,3,6,7,8,9,10,11,12,15.

Other data

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)