

Sicherheitsdatenblatt
gemäß Verordnung (EG) Nr. 1907 / 2006

Revision: 01
überarbeitet am: 18.12.2018, SW

1. Chemical Product and Company Identification

Product name:

Bloc-out material, light curing, liquid

Application of the product:

Blocking material for technical works

Manufacturer:

dent a pharm Produktionsgesellschaft mbH

Street:

Schusterring 35

Zip-Code / Town

D-25355 Barmstedt

Contact for technical information:

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Emergency Information (24 hours):

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2. Hazard Identification

2.1 Labeling elements

GHS classification and labeling in line with the requirements of CLP Regulation (EC) 1272/2008 (GHS/CLP)



Warning



Danger



Danger

Hazard statements:

H224	Extremely flammable liquid and vapour
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash...thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. DO NOT induce vomiting.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTER/doctor...
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor/.../if you feel unwell.
P312	Call a POISON CENTER/doctor/.../if you feel unwell.
P501	Dispose of contents/container to...
P302 + P352	IF ON SKIN: Wash with plenty of water/...
P303 + P361 + 353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333 + P313	If Skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention..
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use...to extinguish.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

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3. Composition/Information on Ingredients
Composition based on acrylated oligomeres and glass-fillers

Material	CAS-Nr./EINECS-Nr. /EG-No.	Content (%)	Index-Nr. concentration Classification in accordance with CLP-Regulation (EC) No. 1272/2008
Methyl methacrylate	80-62-6	15-20%	607-035-00-6 Flam.Liq. 2 H225 Skin Irrit. 2 H315 Skin. Sens. 1 H317 STOT SE 3 H335
2-Hydroxyethylmethacrylate	868-77-9	3-5%	607-124-00-X Skin Sens. H317 Eye Irrit. 2 H319
Aliphatic urethane acrylate		20-25%	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 Aqu.Chron. 2 H411
Vinylester (acrylate)	55818-57-0	25-32%	Skin. Sens. 1 H317
Phosphinnoxide	75980-60-8 278-355-8	1-2%	Repr. 2 H361 Aqu.Chron. 3 H412
Campherchinon	10373-78-1 233-814-1	0,5-1%	Eye Irrit. 2 H319 STOT SE H335 Skin Irrit. 2 H315
Benzophenon	119-61-9	5-10%	Aqu.Chron. 3 H412

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4. First-Aid-Measures

After Skin contact:

Wash with water and soap. Take off immediately all contaminated clothing. If skin irritation: get medical advice.

After eye contact:

Rinse with plenty of water; remove contact lenses, if present and easy to do; consult doctor.

After swallowing:

Rinse mouth; DO NOT induce vomiting.

5. Fire-Fighting measures

Suitable extinguishing agents:

Foam, dry powder, water, carbon dioxide gas

Protective equipment for fire-fighters:

Use protective respirator.

6. Accidental release measures

Personal precautions, protection:

Provide enough ventilation.

Environmental measures:

Material should not enter the drainage.

Methods and materials for cleaning up:

Material should be removed with a mechanical means; it should be cured in light and disposed. Therefore the material must be disposed in a special environmental manner in line with the relevant local regulations.

Reference to other sections:

none

7. Handling and Storage

Handling

No special measures necessary. Usual precautions when handling with chemicals.
Wear protective clothing during the work.

Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten

Kühl, trocken, verschlossen und vor Licht geschützt lagern.
Lagerzeit: 3 Jahre, wenn die Lagerbedingungen eingehalten werden.

Storage

Store at a cool and dry place. Protect against light and heat. Allowed storage temperatures are in the range of 0-22° C.
Storage time min. 3 years.

8. Exposure Controls / Personal Protection

The version of body protection equipment has to be chosen specific to working station and in accordance of hazardous material concentration and amount. The resistance of the protection equipment should be checked with supplier.

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Breathing protection:

Not necessary.

Eye protection:

Wear goggles.

Hand protection:

Wear latex gloves.

Wash hands after skin contact with water and soap.

9. Physical and chemical Properties

Form: kneadable or viscous mass

Colour: depending on coloration

Odour: like acrylated oligomeres

Flashpoint: > 100°C (Method DIN 51758)

Boiling point: > 250°C

Density: Paste: 1,880 g/cm³

Liquid: no data available

Water soluble: insoluble

10. Stability and Reactivity**Conditions to avoid:**

Protect against light, sun and heat to prevent polymerization.

Substances to avoid:

Product is polymerizing in contact with radical former.

Hazardous decomposition products:

none

Thermal decomposition:

None

11. Toxicological Information**Acute oral toxicity:**

Non-toxic (mixture is estimated with help of the ingredients).

Subacute unto chronic toxicity:

No toxicity known concerning repeated-dose.

Skin irritation:

Causes irritation.

Eye irritation:

May cause serious eye damage.

Respiratory irritation:

Irritations are possible on respiratory organs.

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Kinetic of the toxic reaction:

According to the new Material Safety data sheet issued by REACH, specifications about kinetic of the toxic reaction, metabolism of the substance and allocation of the substance in the human body must be mentioned at this place. Data for this is not available.

Experience of the practice:

No data existing.

Further information:

The product is to be handled with the usual care when handling chemicals.

12. Ecological Information

Ecotoxic effects:

No data existing.

Fishtoxicity:

No data available.

Water Organism:

Toxic for water organism, with long lasting effect.

Daphnia toxicity:

No data available.

Mobility:

No data available.

Further details to exology:

Do not allow product to reach ground water or sewage system.

Bioaccumulation potential:

No data available.

Effect of the determination of the PTB- and vPvB-Report:

Endocrine disruption potential.

It is unknown if the material causes hormonal effects or prevent them.

13. Disposal Considerations

Product:

Uncured: according to Waste Code

Cured: Accordingly dispose of considering the regulations of the local authority.

Waste Code according to AVV:

16 03 05

Organic Waste, which contains hazardous ingredients.

Packaging:

Packaging material which is not contaminated can be recycled.

14. Transport Information / Rules

Overland transport ADR/RID and GGVS/GGVE:

none

Barge transportation AND/ADNR:

none

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Maritime transportation IMDG/GGVSea:
none

Air transportation ICAO-TI and IATA-DGR:
none

The product is not hazardous according to the transportation Rules.
Keep away from foodstuff.

15. Regulatory Information

GHS classification and Labeling in line with the requirements of CLP Regulation (EC)1272/2008



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Danger



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16. Other Informations

Further applicable EG Guidelines

Guideline for preparation (1999/45/EG), at last changed by the guideline 2006/8/EG
Substance guideline (67/548/EWG), at last changed by the guideline 2006/121/EG.
REACH-Guideline (EG) Nr. 1907/2006

Manufacturer's suggested application restriction:

For dental use only.

Department issuing MSDS:

Dr. Wolfgang Willmann

Phone: +49 (0)4123-92250

Additional information:

Origin: ¹<http://www.baua.de>

²<http://www.arbeitssicherheit.de>

The information is based on present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.