

Trade name: **HD Silicone A-component and B-component**

Effective date: 00.01.1900

Version: 1.0 (replaces all previous versions)

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

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1.2 Relevant identified uses of the substance or mixture and uses advised against

This product is a moulding compound for the production of moulds.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier:

Backstein Engineering GmbH
Langgasse 21
D-65510 Idstein
Germany
Tel. +49 (0) 6434/9089115
E-Mail: shop@moertelshop.com

1.4 Emergency telephone number

Not available

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to Regulation (EC) No

2.2 1272/2008 [CLP]

The product does not require a classification according to GHS criteria.

2.3 Label elements according to Regulation (EC) No

2.4 1272/2008 [CLP/GHS]

2.4.1 Hazard pictograms and signal word

The product does not need to be labeled according to GHS criteria.

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2.4.2 Hazard-determining components for labeling

Not applicable

2.4.3 Hazard statements

Not applicable

2.4.4 Precautionary statements

Not applicable

2.5 Supplemental Hazard information

The mixture contains the following substances that fulfil the PBT and/or vPvB criteria according to REACH, Annex XIII:

Octamethylcyclotetrasiloxane; Decamethylcyclopentasiloxane; Dodecamethylcyclohexasiloxane.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

This product is a mixture.

3.2 Mixtures

3.2.1 Composition/information on ingredients

viscous synthetic resin

3.2.2 Hazardous ingredients

Octamethylcyclotetrasiloxane <1% (CAS: 556-67-2) - Classification according to Regulation (EC) No 1272/2008: H361f, H413

Dodecamethylcyclohexasiloxane <1% (CAS: 540-97-6)

Decamethylcyclopentasiloxane <1% (CAS: 541-02-6)

For the wording of the listed risk phrases refer to section 16.

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4 FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General information

First Aid personnel does not require special personal protective equipment, but you should be aware of own safety and possibly change contaminated clothing.

In case of health problems consult a doctor.

4.1.2 Following skin contact

Thoroughly clean with soap and water.

4.1.3 Following eye contact

Rinse immediately with clean water, min. 15 minutes, consult an ophthalmologist.

4.1.4 Following inhalation

Remove to fresh air. In case of complaints, consult a doctor.
Thoroughly clean with soap and water.

4.1.5 Following ingestion

Rinse mouth immediately, then drink plenty of water. Induce vomiting only if recommended by trained medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: The major known symptoms and effects are described in the labeling of the product (see section 2) and / or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Symptomatic treatment (decontamination, vital signs), no specific antidote known.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

0

5.2 Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, harmful vapors, nitrogen oxides, smoke, soot

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5.3 Firefighting measures

Protective equipment: Wear self-contained breathing apparatus.

More information:

Danger depends on the combustible materials and the fire conditions. Cool containers exposed to heat with water. Collect contaminated extinguishing water separately, must not get into drains or sewage. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No special actions required.

6.2 Environmental precautions

Do not allow to enter drains, groundwater, surface water or soil.

6.3 Methods and material for containment and cleaning up

For small quantities: Absorb with inert liquid-binding material (eg sand, infusorial earth, acid binder, universal binder, sawdust, soil, etc.). Dispose of contaminated material according to regulations.
For large quantities: pump out the product.

6.4 Reference to other sections

See section 7 for safe handling information

See section 8 for personal protection information

See section 13 for Information on disposal

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Advice on safe handling

No special actions required.

7.1.2 Fire preventions

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7.1.3 Advice on general occupational hygiene

Do not eat, drink, or smoke at work. Wear protective gloves to avoid skin contact.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Requirements for storage rooms and vessels

Keep only in unopened original container. Keep container tightly closed.

7.2.2 Hints on storage assembly

Not specified

7.2.3 Further information on storage conditions

No further relevant information available

7.2.4 Storage class

Storage class according to TRGS 510 (originally VCI, Germany): (12) Non-flammable liquids

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Not applicable

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Technical measures and the application of appropriate working methods take precedence over the use of personal protective equipment. Ensure good ventilation. This can be achieved by local exhaust or general exhaust air.

8.2.2 General protection and hygiene measures

The usual precautionary measures when handling chemicals should be observed.

8.2.3 Respiratory protection

Respiratory protection is required in case of: Aerosol or mist formation. Particle filter device (EN 143). Type: A (against organic gases and vapours with boiling point > 65 °C, identification colour: brown).

8.2.4 Skin protection

Wear safety gloves.

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8.2.5 Eye / Face protection

Protective goggles with side protection (goggles) (eg EN 166)

8.3 Environmental exposure controls

8.3.1 Air

No further relevant information available

8.3.2 Water

No further relevant information available

8.3.3 Soil

No further relevant information available

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties	Transparent liquid
Odour	Odourless
Melting point/freezing point	Not determined
Initial boiling point/boiling range	Not determined
Flash point	Not determined
Flammability (solid, gas)	Not determined
Risk of explosion	Not determined
Density	1.0 - 1.3 g / cm ³
Solubility in water	Insoluble
Organic solvents	Not determined
Solids content	Not determined
Other Information	Dyn. viscosity: 2000 - 9000 mPas

10 STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions if the regulations / instructions for storage and handling are observed,

Does not act corrosive to metal.

10.2 Chemical stability

The product is stable if the regulations / instructions for storage and handling are observed.

10.3 Possibility of hazardous reactions

The product is stable if the regulations / instructions for storage and handling are observed.

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10.4 Conditions to avoid

Protect from heat

10.5 Incompatible materials

No further relevant information available

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed / indicated

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Acute toxicity

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

11.1.2 Primary irritant effect

On the skin

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

At the eye

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

11.1.3 Sensitisation to the respiratory tract/skin

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

11.1.4 Germ cell mutagenicity

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

11.1.5 Carcinogenicity

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

11.1.6 Reproductive toxicity

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

11.1.7 Other toxicity information

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

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12 ECOLOGICAL INFORMATION

12.1 Toxicity

No special dangers known

12.2 Persistence and degradability

No special dangers known

12.3 Bioaccumulative potential

No special dangers known

12.4 Mobility in soil

No further relevant information available

12.5 Results of PBT and vPvB assessment

The product does not meet the criteria for PBT (persistent / bioaccumulating / toxic) and vPvB (very persistent / very bioaccumulating).

12.6 Other adverse effects

None known

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

13.1.1 Recommendation

The national and local legal regulations are to be observed. Remaining quantities are to be disposed of as the substance/product.

13.1.2 Waste codes / waste designations according to EWC / AVV

Not specified

13.1.3 Uncleaned packaging

Disposal according to official regulations.

14 TRANSPORT INFORMATION

The product is not subject to the International Dangerous Goods Regulations (IMDG, IATA, ADR / RID). Therefore, no dangerous goods classification is required.

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14.1 UN No.

Not applicable

14.2 UN Proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

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

Not applicable

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU regulations

Directive 2012/18 / EU, Named dangerous substances - ANNEX I: None of the ingredients is included.

15.1.2 National regulations

Not applicable

15.1.3 Other regulations, restrictions and prohibition regulations

None known

15.2 Chemical Safety Assessment

A chemical safety assessment was not carried out.

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16 OTHER INFORMATION

16.1 Basics

All information is based on the current state of our knowledge, but this does not constitute an assurance of product properties and does not establish a contractual relationship.

16.2 Wording of the hazard statements (according to Regulation (EC) No 1272/2008) referred to in sections 2 and 3

Flam. Liq. 2 [H225] - Flammable liquids Category 2: Highly flammable liquid and vapor

Flam. Liq. 3 [H226] - Flammable liquids Category 3: Flammable liquid and vapor

Flam. Sol. 2 [H228] - Flammable solids Category 2: Flammable solid

Met. Corr. 1 [H290] - Substances or compounds corrosive to metals: May be corrosive to metals

Acute Tox. 3 [H301] - Acute toxicity Category 3: Toxic if swallowed

Acute Tox. 4 [H302] - Acute toxicity Category 4: Harmful if swallowed

Asp. Tox. 1 [H304] - Aspiration hazard Category 1: May be fatal if swallowed and enters airways

Acute Tox. 4 [H312] - Acute toxicity Category 4: Harmful in contact with skin

Skin. Corr. 1A [H314] - Skin corrosion / irritation Category 1A: Causes severe skin burns and eye damage

Skin. Irrit 2 [H315] - Skin corrosion / irritation Category 2: Causes skin irritation

Skin Sens. 1 [H317] - Skin Sensitization Category 1: May cause an allergic skin reaction

Eye Dam. 1 [H318] - Serious eye damage / eye irritation Category 1: Causes serious eye damage

Acute Tox. 3 [H330] - Acute toxicity Category 3: Fatal if inhaled

Acute Tox. 3 [H331] - Acute toxicity Category 3: Toxic if inhaled

Acute Tox. 4 [H332] - Acute toxicity Category 4: Harmful if inhaled

STOT SE 3 [H336] - Specific Target Organ Toxicity - Single Exposure Category 3: May cause drowsiness or dizziness

Repr. 2 [H361f] - Suspected of damaging fertility

Aquatic Acute 1 [H400] - Hazardous to the aquatic environment Category 1: Very toxic to aquatic life

Aquatic Chronic 2 [H411] - Chronic Hazardous to the aquatic environment Category 2: Toxic for Aquatic organisms with long-term effects

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Aquatic Chronic [H412] - Harmful to aquatic organisms, with long-term effects

Aquatic Chronic [H413] – May cause long-lasting harmful effects to aquatic life

16.3 Abbreviations and acronyms

[ADR] Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
[AGW] Arbeitsplatzgrenzwert
[AwSV] Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen
[BGR] Berufsgenossenschaftliche Regel
[BimSchV] Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes
[CAS] Chemical Abstracts Service
[DIN] Norm des Deutschen Instituts für Normung
[EC] Effektive Konzentration
[EG] Europäische Gemeinschaft
[EINECS] European Inventory of Existing Commercial chemical Substances
[EN] Europäische Norm
[GHS] Globally Harmonized System of Classification and Labelling of Chemicals
[IATA-DGR] International Air Transport Association-Dangerous Goods Regulations
[IBC-Code] Internationaler Code für den Bau und die Ausrüstung von Schiffen zur Beförderung gefährlicher Chemikalien als Massengut
[ICAO-TI] International Civil Aviation Organization-Technical Instructions
[IMDG-Code] International Maritime Code for Dangerous Goods
[ISO] Norm der International Standards Organization
[IUCLID] International Uniform Chemical Information Database
[LC] Letale Konzentration
[LD] Letale Dosis
[log Kow] Verteilungskoeffizient zwischen Oktanol und Wasser
[MARPOL] Maritime Pollution Convention = Übereinkommen zur Verhütung der Meeresverschmutzung durch Schiffe
[OECD] Organisation for Economic Co-operation and Development
[PBT] Persistent, biakkumulierbar, toxisch
[REACH] Registration, Evaluation and Authorisation of Chemicals (Verordnung (EG) 1907/2006)
[RID] Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Ordnung für die internationale Eisenbahnbeförderung gefährlicher Güter)
[SDB] Sicherheitsdatenblatt
[STOT] Specific target organ toxicity (spezifische Zielorgantoxizität)
[TRGS] Technische Regeln für Gefahrstoffe
[UN] United Nations (Vereinte Nationen)
[VOC] Volatile Organic Compounds (flüchtige organische Verbindungen)
[vPvB] very persistent and very bioaccumulative (sehr persistent und sehr bioakkumulierbar)
[VwVwS] Verwaltungsvorschrift wassergefährdender Stoffe
[WGK] Wassergefährdungsklasse