



Safety Datasheet

Pursuant to guideline
1907/2006

B-Tec CM-900

Date printed: 11.09.2015

Revised on: 11.09.15

1 Identification of the substance/mixture and of the company

Trade name	B-TEC CM-900
Product type	Paint- and varnish-coagulation
Manufacturer / Supplier	B-TEC GmbH Zunftweg 6-8 D-31303 Burgdorf / Ehlershausen Tel: +49 (0)5085/97100-0 Fax: +49 (0)5085/97100-30 Germany
Information provided by	Management Board
Contact E-Mail	Mr Bödrich info@btecsystems.de
Emergency information	Next toxicological information centre or for Germany: Toxic Information Center North Pharmacology & Toxicology at the University of Göttingen Robert-Koch-Str. 40 37075 Göttingen Tel.: 0551/19240, Fax: 0551/3831881

2 Hazards identification

Classification according to Directive 67/548/EEC	 Irritant
Additional hazards	R37/38: Irritating to respiratory system and skin.
Risk phrases	R41: Risk of serious damages to eyes.
Classification according to Regulation (EC) 1272/2008	GHS 05 GHS 07
Hazard pictogram	 
Signal word	Danger
Hazard statements	H315: Causes skin irritation. H318: Causes serious eye damage. H335: May cause respiratory irritation.
Precautionary statements	P280: Wear protective gloves/protective clothing/eye protection/face protection. P271: Use only outdoors or in a well-ventilated area. P261: Avoid breathing dust. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P302+352: IF ON SKIN: Wash with plenty of soap and water.



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3 Composition / Information on ingredients

Chemical characterization

Hazardous ingredients	CALCIUM OXIDE CAS-No.: 1305-78-8 Register No. (REACH): 01-2119475325-36-xxxx Classification: H318; H315; H335	Concentration: 25-50%
	ALUMINIUM SULPHATE CAS-No.: 16828-12-9 Register No. (REACH): - Classification: H318	Concentration: 25-50%

4 First-aid measures

If inhaled	Ensure fresh air.
In case of skin contact	Wash off with plenty of water and soap; if symptoms persist consult a doctor.
In case of eye contact	Rinse eyes with lightly open eyelid immediately with water for at least 10 minutes and consult a doctor.
If swallowed	Rinse oral cavity with plenty of water, drink water afterwards. Do not induce vomiting. Consult a doctor.

5 Fire-fighting measures

Fire-fighting measures	Product is not flammable.
Extinguishing media	n/a
- suitable	n/a
- unsuitable	n/a
Special protective equipment	n/a

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Avoid contact with skin, eyes and mucosa.
Environmental precautions	Avoid penetration into soil and waters.
Cleaning and absorption procedure	After absorbing mechanically, rinse with water.

7 Handling and storage

Handling	
Precautions for safe handling	Avoid to produce dust.
Information on fire and explosive protection	Wear safety goggles and gloves.
Storage	-
Requirements for storage rooms and containers	Use catchment areas.
Information on joint storage compatibility	Not store with acids.
Further information on the storage conditions	Store in a dry place.
Storage class	13



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Classification according to Workplace
Safety Ordinance (formerly VbF) -

8 Exposure controls / Personal protection

Maximum workplace concentration (Germany)	general powder limit (alveolar amount): 3mg/m ³ (TRGS 900) general powder limit (amount of inhalation): 10mg-7m ³ (TRGS 900)
Personal protective equipment	
- Respiratory protection	Mask with fine powder filter, particulate filter P2
- Hand protection	Rubber or plastic gloves
- Eye protection	Tightly sealed goggles
- Occupational hygiene	The usual safety precautions when handling chemicals are to be followed. Wash your Hands before breaks or clock outs.
DNEL-Data (Derived No-Effect-Level)	No data exist.
PNEC-Data (Predicted No-Effect-Concentration)	No data exist.

9 Physical and chemical properties

Form	Powder
Color	Grey
Odor	None
Viscosity	-
Vapor pressure (20°C)	-
Melting point / Melting range	-
Boiling point / Boiling range	-
Ignition temperature	Not flammable.
Flash point	-
Explosion hazard (explosion limits)	-
pH value (10% suspension)	10 – 10,5
bulk weight	~ 1000 g/l
Solubility in / Miscibility with water	Sparsely: a few ingredients partially soluble

10 Stability and reactivity

Thermal composition / Conditions to avoid	Temperatures above 400°C.
Hazardous decomposition products	sulphur dioxide(SO ₂), sulphur trioxide(SO ₃), calcium oxide, toxic or harmful metal oxides.

11 Toxicological information

Acute toxicity	No data exist.
Primary irritant effect	
- on the skin	Irritating to skin and mucosa.
- on the eye	Strong irritation (plus foreign object).
- sensitization	Long exposition of fine particulates containing quartz can lead to silicosis.
- additional toxicological information	Toxic substances are not contained.



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12 Ecological informations

water endangerment category	1, slightly hazardous to water
Toxicity	Available datas: Component: Calcium oxide: Toxicity for fish: LC50 (Cyprinus carpio): 1170 mg/l; 96h Component: Aluminium sulphate: Toxicity for fish: LC50 (Carassius auratus): ~ 100 mg/l; 96h
Persistence and degradability	Not degradability, cause minerally character. Product could be remove via abiotic processes out of water.
Bioaccumulation potential	Not applicable.
Results of PBT and vPvB assessment	No data available

13 Disposal considerations

Product	
- Recommendation	Contact manufacturer.
Waste code number	The classification of the waste code number according to the Waste Avoidance, Recycling and Disposal Act depends on the manner of use of the waste producer. This can be discussed and agreed with the relevant authorities.
Uncleaned packaging	
- Recommendation	Plastic waste.

14 Transport information

Land transport ADR/RID and GGVS/GGVE

- ADR/RID-GGVS/E Class		No hazardous material
- Packaging group	-	
- Kemler number	-	
- UN number	-	
- Identification of the product	-	

Maritime shipping transport IMDG/GGVSee

- IMDG/GGVSee Class	-
- Page	-
- UN number	-
- Packaging group	-
- EMS number	-
- MFAG number	-
- Correct technical name	-

Air transport ICAO-TI and IATA-DGR

- ICAO/IATA Class	-
- UN/ID number	-
- Packaging number	-
- Correct technical name	-



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15 Regulatory information

Labeling and classification EC
Identification letter (EC symbols)
Risk phrases

Safety phrases

Labeling and classification GHS
Identification symbols (GHS symbols, (EC) 1272/2008)

Signal word
Hazard statements

Precautionary statements

National regulations
Water hazard class

Major Hazard Ordinance
Classification according to Workplace Safety
Ordinance (formerly VbF)

- **Class**
- **Organic solvent percentage**

The product must be labelled
Xi; irritant
R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damages to eyes.
S22: Do not breathe dust.
S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eyes / face protection.
The product must be labelled
GHS 05 (Acid), Eye Damage , Kategorie 1
GHS 07 (Exclam), Skin Irritation, Kategorie 2
STOT SE, Kategorie 3
Danger
H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P271: Use only outdoors or in a well-ventilated area.
P261: Avoid breathing dust.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P302+352: IF ON SKIN: Wash with plenty of soap and water.

1, slightly hazardous to water (self-classification by VwVwS – Germany)
Chemical substances not listed.

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5.2.1.
VOC : 0

16 Other information

EC-Directives

Directive by formulations (199/45/EG), last revision by directive 2006/8/EG. Directive by substances (67/548/EWG), last revision by directive 2006/121/EG. REACH-directive (EG) No. 1907/2006.

Recommended restriction of use

Only for commercial/industrial use.

Risk statements and hazard statements referred to (Section 2, 3)

R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damages to eyes.

H315: Causes skin irritation.
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Revision of last redaction

Adjustment of REACH-directive (EG) No. 1907/2006

For further information please refer to the data sheet M 004 "Irritating / caustic substances" as soon as guideline BGR 217 "Handling of mineral powder" from the chemical industrial trade association, available at Jedermann-Verlag Dr. Otto Pfeffer OHG, Postfach 103 140, 69116 Heidelberg, Germany, Tel. 06221/184242.

All information contained herein is based on the present state of our knowledge. The safety datasheet is intended to provide essential physical, safety-relevant, toxicological and ecological data when handling chemical substances and preparations.