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Section 1: Identification of the substance

1.1. Product identification

Productform : Mixture
Productname : Bitumen Coating PMBC 2K high solid (PS) comp. B

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

1.2.1. Recommended use

Adhesive mortar

1.2.2. Uses advised against

Data not available

1.3. Details of the supplier of the safety data sheet

Bitutec – Private Label GmbH
Westring 18, 33142 Büren, Deutschland

1.4. Emergency telephone number:

Phone: +49 2951 7079931
Bitutec – Private Label GmbH
Westring 18, 33142 Büren, Deutschland
www.bitutec.de

Poison center: +49(0)30 30686 700

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Criteria of the GHS - Regulation 1272/2008/EC:

Danger, Eye Damage 1, Causes serious eye damage.

Physico-chemical effects dangerous for human health and the environment:

No further risks

2.2. Label elements

The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP):

Hazard pictogram



Danger

Hazard note:

H318 Causes serious eye damage

Safety note:

P261 Avoid inhalation of dust / smoke / gas / mist / vapor / aerosol
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection
P302 + P352 In case of contact with skin: Wash with plenty of water
P305 + P351 + P338 If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 Immediately call a Poison center

Special regulations:

None

Contains:

Portland Cement, Cr(VI) <2ppm

2.3. Other hazards

No other hazards

Section 3: Composition/ information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification

< 75% crystalline silica ($\text{Ø} > 10 \mu$)

CAS: 14808-60-7, EC: 238-878-4

The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP)

$\geq 5\%$ - <10% Portland Cement Cr(VI) <2ppm



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CAS: 65997-15-1, EC: 266-042-4
2.8/3 STOT SE 3 H335
3.2/2 Skin Irrit. 2 H315
3.3/3 Eye damage 1 H318

Section 4: First aid measures

4.1. Description of first aid measures

In case of inhalation : Remove casualty to fresh air and keep warm and at rest
In case of skin contact : Wash with plenty of water and soap
In case of eyes contact : Wash immediatly with water.
In case of ingestion : Do not induce vomiting, get medical attention showing the SDS and the hazard label.

4.2. Most important symptoms and effects, both acute and delayed

No actual hazard if used according to instructions.
The product may cause skin sensitization symptoms in case of skin contact.

4.3. Indication of any immediate medical attention and special treatment needed

See section 4.1

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water. CO₂. Powder extinguisher
Not suitable extinguishing media : High pressure water-jet

5.2. Special hazards arising from the substance or mixture

The smoke from the fires may contain substances of the original material or other unidentified toxic and/or irritant compounds.

5.3. Advice for firefighters

Use suitable respiratory equipment. Collect contaminated extinguishing water separately. Do not dispose of it in the sewage system. If possible within the limits of safety, remove undamaged containers from the immediate danger zone.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. Advice for non-emergency personnel

Emergency procedures : Ventilate accident area. Avoid contact with eyes and skin

6.1.2.

Protective clothes : Wear the personal protective equipment. Move the person to a safe place. Observe the protective measures listed in section 8.

6.2. Environmental precautions

Contain leaked or spilled product with earth or sand. Prevent penetration into the soil/subsoil. Prevent runoff into groundwater or sewage system. Collect and dispose of contaminated wash water. In case of gas leakage or entry into watercourses, soil or sewage system, inform the relevant authorities.

Suitable material for collection: absorbent or organic materials, sand.

6.3. Methods and material for containment and cleaning up

Methods of cleaning : After collection, wash affected area and material with water. Suitable material for collection: absorbent or organic materials, sand.

6.4. Reference to other sections

See also section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Hygiene and protective measures : Avoid contact with eyes and skin and avoid exposure to high dust concentrations. Avoid formation and deposition of dust. Contaminated clothing must be changed before entering dining areas. Do not eat or drink while working. Refer to Section 8 for recommended protective equipment. Under certain circumstances, particulate matter may cause explosions. Keep away from open flames, sparks and heat sources. Do not remove the stretch film in explosion in explosive places (because of the risk of charge / discharge of static electricity).

7.2. Conditions for safe storage with consideration of environmental compatibility

Storage conditions : Keep away from food, beverages and pet food. Store storage container closed and dry. Appropriate ventilation of the storage rooms.

7.3. Specific and use(s)

None in particular



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Section 8: Exposure controls/ personal protection

8.1. Control parameters

Crystalline silica ($\varnothing >10 \mu$) - CAS: 14808-60-7
ACGIH - LTE mg/m³(8h): 0.025 mg/m³ - Remarks: A2 (R) - Pulmonary fibrosis, lung cancer.

Portland Cement, Cr(VI) <2ppm - CAS: 65997-15-1
ACGIH - LTE mg/m³(8h): 1mg/m³ - Remarks: A4, (E,R) - Pulm func, resp symptoms, asthma.

8.2. Exposure controls

Suitable technical control equipment:

Ensure sufficient ventilation and air circulation. Eye showers and emergency showers should be available at the site of operation at all times.

Protection for skin:

Wear protective gloves. Standard EN 374 - Protective gloves against chemicals. Wear personal protective equipment

Protection for eyes:

Wear safety goggles. Standard EN 166 - personal eye protection.

Respiratory protection:

In case of insufficient ventilation. Wear personal ventilation equipment

Environmental protection measures:

Avoid release into the environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid (powder)
Colour	: Gray
Odour	: Odorless
Odour threshold	: N.A.
pH	: 11 -13,5
Evaporation rate (Butyl acetate=1)	: N.A.
Melting point	: N.A.
Freezing point	: N.A.
Boiling point	: N.A.
Flash point	: N.A.
Auto-ignition temperature	: N.A.
Disintegration temperature	: N.A.
Flash point (solid, gas)	: N.A.
Vapor pressure	: N.A.
Relative vapor density at 20 °C	: N.A.
Density number	: 1,5 g/cm ³
Solubility	: N.A.
Log Kow	: N.A.
Viscosity, kinematic	: N.A.
Viscosity, dynamic	: N.A.
Explosion properties	: N.A.
Oxidizing properties	: N.A.
Explosion limits	: N.A.

9.2. Other information

No additional information

Section 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None



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10.4. Conditions to avoid

None under normal conditions (see section 7).

10.5. Incompatible materials

Strongly oxidizing substances.

10.6. Hazardous decompositions products

None under normal conditions

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity in case of single exposure	Not classified
Specific target organ toxicity in case of repeated exposure	Not classified
Aspiration hazard	Not classified

Section 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
 Eco-Toxicological information: None

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT an vPvB assessment

vPvB-ingredients: None ; PBT-ingredients: None

12.6. Other adverse effects

N.A.

Section 13: Disposal considerations

13.1. Waste treatment methods

Recycle if possible. Proceed in accordance with applicable local and national regulations. 91/156/EEC, 91/689/EEC, 94/62/EC and according to subsequent supplements:
 Disposal of cured product (EWC No.) : 08 04 10
 Disposal of uncured product (EWC No.) : 08 04 14
 The proposed European waste code is based on the composition of the product. Depending on the specific area of use, a different waste code may be required. Please observe EC Directive 2001/118/EC

Section 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN Number				
N.A.	N.A.	N.A.	N.A.	N.A.
14.2. UN proper shipping name				
N.A.	N.A.	N.A.	N.A.	N.A.
14.3. Transport hazard class(es)				
N.A.	N.A.	N.A.	N.A.	N.A.
14.4. Packing group				
N.A.	N.A.	N.A.	N.A.	N.A.
14.5. Environmental hazards				
N.A.	N.A.	N.A.	N.A.	N.A.



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14.6. Special precautions for the user

Road and Rail

N.A.

Sea

N.A.

Air

N.A.

14.7. Transport in bulk according to Annex II of the MARPOL Convention and according to the IBC Code

N.A.

Section 15: Regulatory information

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

15.1.1. EU-Regulations

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture Directive 98/24/EC (protection of the health and safety of workers from the risks related to chemical agents at work)

Directive 2000/39/EC (indicative occupational exposure limit values)

RL 2006/8/EC Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EC) No. 790/2009 (1st ATP CLP) and (EU) No. 758/2013

Regulation (EU) No. 453/2010 (Anhnag I)

Regulation (EU) No. 286/2011 (2nd ATP CLP)

Regulation (EU) No. 618/2012 (3rd ATP CLP)

Regulation (EU) No. 487/2013 (4th ATP CLP)

Regulation (EU) No. 944/2013 (5th ATP CLP)

Restrictions on product or ingredients according to Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent amendments:

Restrictions on product:

No restriction.

Restrictions on ingredients according to:

No restriction.

Regulation (EC) 1907/2006 (REACH) - Annex. XVII

The product contains Cr(VI) below the limits according to Annex XVII, entry 47. Note the expiry date on the container.

Legislative Decree No. 81 of April 9, 2008, Title IX, "Sostanze pericolose - Capo I - Protezione da agenti chimici" (Hazardous substances - 1st section - Protection against chemical agents)

Directive 2000/39/EC

Legislative Decree No. 152 of April 3, 2006, as amended (Environmental Directives)

Directive 105/2003/EC (Seveso III): N.A.

ADR - IMDG - IATA

Water hazard class (WGK): 1

VOC (2004/42/EC) : N.A. g/l

EEC Directive 2003/105/EEC (activities likely to cause dangerous accidents) and subsequent amendments . Regulation (EC) No 648/2004 (Detergents). On April 26, 2006, a multi-sector agreement for a social dialogue was signed, based on a "Guide to Good Practices" for the protection of the health of workers in contact with products containing crystalline silica. The text was published in the Official Journal of the European Union (2006 / C 279/02) and the "Guide to Good Practice", with appendices, can be found on the Internet at www.nepsi.eu. Both provide guidance and information for the handling of products containing fine silica dust.

15.1.2. National restrictions

No additional details

15.2. Chemical safety assessment

None



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SECTION 16: Other Information

Abbreviations and acronyms:

ADN	European agreement concerning the international Carriage of dangerous goods by inland waterways
ADR	European agreement concerning the international Carriage of dangerous goods by road
ATE	Acute Toxicity estimate
CLP	Classification, Labeling, Packaging
DMEL	Derived minimal effect level (DMEL)
DNEL	Derived no effect level (DNEL)
EC50	Half maximal effective concentration
IATA	International Air transport Association (IATA)
IMDG	International Maritime Code for dangerous goods (IMDG-Code)
LC50	Lethal concentration for 50 percent of test population
LD50	Lethal dose for 50 percent of test population
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no effect concentration
REACH	Registration, Evaluation, Authorization and licensing of chemicals (EC) No 1907/2006
RID	Regulation concerning the international transport of dangerous goods by rail.
SDS	Safety data sheet
vPvB	Very persistent, very bioaccumulative

Full text of H and EUH declarations:

SDS EU (REACH Annex II)

This information is based on current knowledge and intended to describe the products in terms of health, safety and environmental protection. It

should therefore not be construed as guaranteeing any particular characteristic of the product.

Made by Josip Stipanovic
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