Prepared in accordance with the Regulation on Safety Data Sheets for Hazardous Substances and Mixtures (Official Gazette 19.12.2014, No. 29204) and Regulation (EC) No. 1272/2008.

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form: Mixture

Product name: Bitu-Rub Combo BB 594 Component B

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

Description/use: Polymer-modified bitumen-rubber-based, two-component, elastic thick waterproofing coating.

1.3. Details of the supplier of the safety data sheet

Company name: MERKS Yapı Kim. San. Ve Tic. A.Ş.

Address: Polatlı Organize Sanayi Bölgesi, 202. Cadde, No:15, Polatlı/Ankara. Telephone: 0312 626 50 12. Fax: 0312 626 50 12. E-mail: info@merks.com.tr

1.4. Emergency telephone number

National Poison Information Centre (UZEM): 114

Emergency telephone number: +90 312 626 5012

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Skin irritation, Category 2, H315

Skin sensitisation, Category 1B, H317

Eye damage/eye irritation, Category 1, H318

2.2. Label elements

Label information according to the Regulation on Classification, Labelling and Packaging of Substances and Mixtures (SEA), published in Official Gazette No. 28848 (Repeated) of 11 December 2013. Hazard pictogram (SEA)

GHS05 GHS07

Signal word (SEA): Danger

Hazardous components: Cement

Hazard statements (SEA)

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 Causes serious eye damage.

Precautionary statements (SEA):

P102 Keep out of reach of children.

P261 Avoid breathing dust.

P264 Wash hands thoroughly with plenty of water after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and 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 the NATIONAL POISON INFORMATION CENTRE on 114 or a doctor/physician. P362 Take off contaminated clothing and wash before reuse.

P333+P313 If eye irritation persists: Get medical advice/attention. [The code and wording are reproduced as stated in the source.]

P501 Dispose of contents/container in accordance with local regulations.

2.3. Other hazards

2.3.1 Eye contact: Direct contact of clinker (dry or wet) with the eyes may cause serious damage. The severity of the damage depends on the duration of contact.

2.3.2 Skin contact: Dry clinker is not absorbed by the skin. Prolonged contact (for hours) of clinker with sweaty or damp skin has an irritant effect.

2.3.3 If swallowed: Clinker must not be swallowed. Although swallowing small amounts is not harmful to health, ingestion may cause burns to the stomach, throat and mouth.

2.3.4 If inhaled: Inhaling dust generated during prolonged use of the material may damage health. In some people the material may cause respiratory irritation and consequently lung damage.

2.3.5 Emergency overview: Clinker is a solid, nodular, grey, odourless granular material. It is not flammable or explosive. Brief exposure to dry clinker presents little or no hazard. Prolonged exposure to wet clinker, or dry clinker on moist parts of the body, can cause tissue damage (skin, eyes, respiratory tract) due to chemical (caustic) burns, including serious, potentially irreversible third-degree skin burns.

GHS05 GHS07

SECTION 3. Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Name | Substance/mixture identification | Concentration % | Classification

Cement | CAS No.: 65997-15-1 | 5–20% | Skin Irrit. 2, H315

Skin Sens. 1B, H317

z Hsr. 1, H31

STOT SE 3, H335

Silica | CAS No.: 14808-60-7 | 60–90% | Not classified

SECTION 4. First aid measures

4.1. Description of first aid measures

If inhaled: Move the person to fresh air and keep comfortable for breathing.

If on skin: Wash skin with plenty of water. Remove contaminated clothing. If skin irritation occurs: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

If swallowed: Call a poison centre or doctor/physician if you feel unwell.

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

No acute or delayed signs/effects.

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

No data available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray, dry powder, foam, carbon dioxide.

Unsuitable extinguishing media: High-volume water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Special advice for firefighters

Firefighters should wear suitable protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operating in positive-pressure mode. Firefighting clothing conforming to EN 469, including helmets, protective boots and gloves, provides a basic level of protection against chemical incidents.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Cleaning procedures: Collect liquid spillage with absorbent material. Collect in closed containers for disposal.

Other information: Dispose of material or solid residues at an authorised facility.

6.4. Reference to other sections

See Section 1 for emergency contact information.

For information on suitable personal protective equipment, see Section 8.

See Section 13 for further information on waste treatment.

SECTION 7. Handling and storage

7.1. Precautions for safe handling.

Containers must be kept tightly closed to prevent leakage. Ensure good ventilation/extraction in the workplace.

7.2. Conditions for safe storage, including any incompatibilities

The product is not spontaneously combustible.

Keep indoors. Store in a cool place, protected from direct sunlight and adverse weather conditions. Avoid dust formation.

7.3. Specific end use(s).

Shelf life is 12 months from the date of manufacture.

SECTION 8. Exposure controls and personal protection

8.1. Control parameters

Zinc stearate (557-05-1)

WEL | TWA (mg/m³) | 10 mg/m³ inhalable dust

4 mg/m³ respirable dust

Silica (14808-60-7)

WEL | TWA (mg/m³) | 0.1 mg/m³ respirable crystalline silica

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation in the workplace. Emergency eyewash fountains and safety showers must be available in any area where potential exposure may occur.

Hand protection: Protective gloves. EN 374 - Protective gloves against chemicals.

Eye protection: Safety glasses. EN 166 - Personal eye protection.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of inadequate ventilation, wear suitable respiratory protective equipment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Powder

Colour: Grey

Odour: No appropriate data available.

Odour threshold: No appropriate data available.

pH: No appropriate data available.

Relative evaporation rate (butyl acetate=1): No appropriate data available.

Melting point: No appropriate data available.

Freezing point: No appropriate data available.
Boiling point: No appropriate data available.
Flash point: No appropriate data available.
Auto-ignition temperature: No appropriate data available.
Decomposition temperature: No appropriate data available.
Flammability (solid, gas): No appropriate data available.
Vapour pressure: No appropriate data available.
Relative vapour density at 20 °C: No appropriate data available.
Relative density: 1.60–1.80 kg/l
Solubility: No appropriate data available.
Log Pow: No appropriate data available.
Kinematic viscosity: No appropriate data available.
Dynamic viscosity: No appropriate data available.
Explosive properties: No appropriate data available.
Oxidising properties: No appropriate data available.
Explosive limits: No appropriate data available.

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Chemical stability. Thermal decomposition/conditions to avoid: No decomposition when used correctly.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Hazardous reactions

No known hazardous reactions.

10.4. Possibility of hazardous decomposition

No hazardous decomposition products are formed when the product is stored correctly and used as intended.

10.5. Incompatible materials

May react with strong oxidising agents.

10.6. Hazardous decomposition products

No appropriate data available.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified.
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitisation: Not classified.
Germ cell mutagenicity: Not classified.
Carcinogenicity: Not classified.
Reproductive toxicity: Not classified.
Specific target organ toxicity (single exposure): Not classified.
Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: Not classified.

SECTION 12. Ecological information

12.1. Toxicity

Acute aquatic toxicity: Not classified.

Chronic aquatic toxicity: Not classified.

12.2. Persistence and degradability

No additional information.

12.3. Bioaccumulative potential

No additional information.

12.4. Mobility in soil

No additional information.

12.5. Results of PBT and vPvB assessment

No additional information.

12.6. Other adverse effects

No additional information.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Regional waste regulations: Dispose of safely in accordance with local/national regulations.

Waste treatment methods: Dispose of contents/container in accordance with the sorting instructions of the licensed collector.

SECTION 14. Transport information

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

Transport modes: ADR | IMDG | IATA | ADN | RID

14.1. UN number

The product is not classified as dangerous for transport under current regulations.

14.2. UN proper shipping name

Not applicable for all five transport modes.

14.3. Transport hazard class(es)

Not applicable for all five transport modes.

14.4. Packing group

Not applicable for all five transport modes.

14.5. Environmental hazards

Environmentally hazardous: No for ADR, IMDG, IATA, ADN and RID. No additional information available.

14.6. Special precautions for user

No special precautions for the user are necessary.

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

Not applicable.

SECTION 15. Regulatory information

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

15.1.1. Regulatory information

Regulatory reference: Prepared under the Regulation on Safety Data Sheets for Hazardous Substances and Mixtures, dated 13 December 2014, No. 29204, by accredited expert personnel certified as required by that regulation.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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. SDS: Safety Data Sheet. EC50: Median effective concentration. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. LC50: Median lethal concentration. LD50: Median lethal dose. OECD: Organisation for Economic Co-operation and Development. PBT: Persistent, bioaccumulative and toxic. PNEC: Predicted no-effect concentration. RID: Regulations concerning the International Carriage of Dangerous Goods by Rail. SEA: Regulation on Classification, Labelling and Packaging; 11.12.2013, No. 28848 (Repeated). vPvB: Very persistent and very bioaccumulative. GHS05: Serious eye damage. GHS07: Skin irritation. The information in this Safety Data Sheet is based on our best knowledge and experience available at the date of preparation and must not be regarded as a guarantee of completeness or accuracy. It is intended only as guidance for safe handling, use, processing, storage, transport, disposal and release and must not be considered a warranty or quality specification. It applies only to the specified substance/mixture and may not be valid when mixed with other materials or used in another process.