

SAFETY DATA SHEET

Safety data sheet in accordance with directive 91/155/EEC and "BY-LAW ON SAFETY DATA SHEETS FOR HAZARDOUS SUBSTANCE AND MIXTURES" (13.12.2014 -29204 NO.)

BU-2K

Revision Date : 23.01.2015

Revision Date No: 2

Form No :BTİ/F.M02.01

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1. PRODUCT DETAILS AND SUPPLIER INFORMATION

1.1 Product Name BU 2K – A component

1.2. Designated use and unapproved use of item or mixture

Use: Water isolation material with two components based on cement and latex added polymer modified bitumen emulsion

1.3 Safety Data Sheet Information about suppliers

Manufacturer/Supplier Name ARDEX Yapı Malzemeleri Limited Şirketi

Address İstanbul Deri Org San. Bölğ. 11 Yol C Parsel C1
34956 Tuzla / İstanbul / Turkey

Telephone +90 216 394 0114

Fax +90 216 394 0377

e-mail info@ardex.com.tr

1.4 Emergency Call
Between working hours +90 216 394 0114

2. HAZARDS IDENTIFICATION

2.1. Classification of the Material

Classification according to the regulation: (EC) No1272/2008

The product is not classified according to the CLP regulation.

2.2. Label Elements

Product is void under CLP – regulation

2.3.Other Losses

PBT ve vPvB valuation results

PBT: not applicable.

vPvB: not applicable

In Terms of Human Health

Void. **In Terms of Environment**

Void.

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3.COMPOSITION/INFORMATION ON INGREDIENTS

3.1. İtem

Description

Bitumen

3.2. Mixtures

Description

Polymer-bitumen dispersion , contains no tars or tar oils.

| Comonents | CAS-no | EINECS-no | Content | Symbol | R-phrases |
|---------------------------------|--------|-----------|-------------|--------|-----------|
| A-Non hazardous material | - | - | 100% | - | - |

4. FIRST AID MEASURES

4.1.First aid measures

4.1.1.Exposure

After Inhalation

Supply fresh air.

After Skin Contact

Instantly wash with water and soap and rinse thoroughly. Remove dried material with surgical spirit or liquid paraffin.

After Eye Contact

Rinse eyes for at least 15 minutes under running water with eyelids held open. Immediately consult a doctor.

After Swallowing

Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor.

4.1.2.Recommendation

- The affected Person should be removed to the fresh air
- The affected Person should be removed from the clothing where things from the product have gussed.
- The Person who makes first aid need no special protective equipment.

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4.2. Acute and later seen important signs and effects

It does not contain any acute or later seen signs/effects..

4.3. First signs of a medical care or special treatment.

There are no known signs available.

5. FIRE FIGHTING MEASURES

Because of Water based Product, there is no fire hazard.

5.1.Suitable Extinguishing Agents

Water, water spray jet, foam, fire-extinguishing powder or CO2.

5.2. Specail danger education because of the item or mixture

When water is vaporized, generation of toxic gases can not be excluded, e.g.:

Karbonmonoksit (CO)

5.3. Advices for person which fight with fire

Special protective equipment: Use methods suitable to surrounding conditions

6. ACCIDENTAL RELEASE MEASURES

6.1.Person-related Safety Precautions

6.1.1. For non emergency-personal

a) To prevent the skin, eyes and clothes from implication appropriate protective equipment must be worn.

b) Sources of ignition should be removed, they must ensure adequate ventilation

c) The dangerous area should be drained

6.2.Measures for Environmental Protection

Do not allow product to reach sewagesystem or water bodies.

6.3.Measures for Cleaning/Collecting

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

7. HANDLING AND STORAGE

Handling

7.1. Precaution for safe handling

Should be kept in tight containers closed.

The workplace must be well ventilated/ the air must be well inhaled.

7.2. Condition for safe storage at nonconformity

a)The product is not spontaneously flammable.

b)Must be kept in closed areas/ must be protected from adverse weather conditions and away from direct sunlight/ Store in a cool place.

c)Should be stored in the vertical positon only three buckets on each other

7.3.Specific end use

The expiry date is 12 months from date of manufacture

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1.Control

Parameters

8.2.Exposure Controls

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2.2.Personal Protective Measures,

Breathing Equipment

Not required.

Protection of Hands

Nitrile impregnated cotton-gloves

Eye Protection

Wear safety goggles when working above eye level or if there is a danger of splashing.

8.2.3.Environmental Controls,

Avoid that it is mixed with water and sewer

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|------------------------------|
| Form | Pasty |
| Smell | Weak, Characteristic |
| Colour | Brown, Black |
| pH | 11.5-12.5 |
| Melting point | Not Applicable |
| Initial boiling point and boiling range | Not Applicable |
| Flash Point | Not applicable |
| Boiling Point | Not determined |
| Density (20 °C) | 1.05 ± 0.01 kg/lit |
| Ignition Temperature | Not applicable |
| Self-inflammability | Product is not self-igniting |
| Danger of Explosion | Product is not explosive |
| Solubility in / Miscibility with Water | Emulsifiable |

10. STABILITY AND REACTIVITY

10.1.Reaction

No decomposition if used according to specifications.

10.2. Chemical stability

The product is stable under normal handling and storage conditions

10.3.Dangerous Reactions

No dangerous reactions known.

10.4.Dangerous Products of Composition

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No hazardous decomposition products need be expected if stored properly and used as intended.

10.5. Substances to be avoided

Can cause a reaction with strong oxidizing agents

10.6. Hazardous decomposition products

Carbon monoxide (CO)

Hydrocarbon

11. TOXICOLOGICAL INFORMATION

11.1.1 Item

11.1.2 Mixture

Acute Toxicity

Primary Irritant Effect:

On the Eyes

Slight irritation is possible.

On the Skin

No irritant effect.

Sensitization

No sensitizing effect known.

Additional Information

When used and handled according to specifications, the product does not have any harmful effects.

12. ECOLOGICAL INFORMATION

12.1. Toxicity.

The materials which are included are not classified as dangerous product for the environment. But a large quantity or frequently occurring spillage can cause environmental damage

Aquatic toxicity: Product is water based. The wet product becomes blurred when dissolved in water. Disclosures on the effects of water organisms are not available.

12.2. Permanence and degradability:

Other Warnings: Product can hardly biodegradable.

12.3. Potencial of biodeposition

There are no data about bioaccumulation.

12.4. Mobility in the soil

non-dried products are dissolved in water.

12.5. PBT ve vPvB valuation results

PBT: not applicable.

vPvB: not applicable.

12.6. Other adverse effects

Avoid it gets into the groundwater, standing or running water and sewage

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13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

a) Do not discharge into drains and drinking water.

Product

Related Recommendation

Disposal in accordance with national and local laws and bye-laws. Must not be disposed of together with household waste. Do not allow product to reach sewage system.

Recommendation:

with the consideration of the special waste regulations must be submitted by the pretreatment in a special waste disposal that has the authority for it.

European waste catalogue.

Possible waste code. The concrete waste code depends of the source of the waste.

Other bituminous products than 17 03 02 17 03 01

Uncleaned Packaging

Carefully and completely emptied packs can be disposed of as building site or commercial waste.

14. TRANSPORT INFORMATION

14.1. UN "Model Modification": -

Not applicable

14.2. Acceptable UN transportation

-

14.3. Transport harmfulness classes

-

14.4. Packing group

-

14.5. Environmental damage

ADR/RID - class: -

Maritime transport IMDG:

IMDG - class: -

14.6. Special precautions for user

There are special precautions for user-required.

14.7. MARPOL 73/78 ek II and Public transport according to the IBC Code

Not applicable.

Not applicable

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15. REGULATORY INFORMATION

15.1 Safety; health; and environmental protection with respect to the substance or mixture

Observe the normal safety regulations when handling chemicals.

16. OTHER INFORMATION

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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BU 2K – B Component

1. PRODUCT DETAILS AND SUPPLIER INFORMATION

1.1 Product Name BU 2K – B component (powder)

1.2.Designated use and unapproved use of item or mixture.

Use: Water isolation material with two components based on cement and latex added polymer modified bitumen emulsion

1.3 Safety Data Sheet information about suppliers

Manufacturer/Supplier Name ARDEX Yapı Malzemeleri Limited Şirketi

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e-mail info@ardex.com.tr

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2. HAZARDS IDENTIFICATION

2.1.Classification of the Material

EC Classification

Xi Irritants

2.2.Label Elements

The classification of substances and mixtures, the labeling and packaging is labeled in accordance with Regulation

Hazardous ingredients for labeling.

Portland Cement,gray.

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Xi;Irritant.

Risk Phrases

R 37 Irritating to respiratory system

R 38 Irritating to skin

R 41 Risk of serious damage to eyes

Safety warnings:

2 Do not fall into the hands of children

22 Do not breathe dust

26 Rinse immediately with cold water and seek medical advice in case of contact with eyes

28 Rinse with water at skin contact

36/37/39 Wear suitable protective clothing, gloves and protective goggles / face mask

46 If swallowed seek medical advice immediately and show this container or label

2.3. Other damages

Product comes with water in strong reaction by alkaline; therefore protect your eyes and skin."

Can cause dustiness.

PBT ve vPvB valuation results.

PBT: not applicable.

vPvB: not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. İtem

3.2.Mixture

Description

It is a mixing without hazardous materials like following.

Portland cement with additive

Danger Components

| Name | CAS | EINECS | Content | Danger | R- phrases |
|--------|------------|-----------|---------|--------|------------|
| Cement | 65997-15-1 | 266-043-4 | 15-20% | -- | R37,38,41 |

4. FIRST AID MEASURES

Symptoms and effects

This product is Cement based. Cement, moisture or water performs the base reaction, because of that mortar, cement or splashing water makes irritation of the skin or can lead to caustic burns on the mucus layer. Keep it away from touching with skin and eyes.

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4.1. Announcement of first aid measures

Respiratory:

Remove to fresh air.

Remove dust from the nostrils and mouth immediately.

Seek medical attention in case of accident.

Contact with skin:

Please remove dried mud and rinse with plenty of water.

Clean dry mud with plenty of water. Remove contaminated clothing.

Seek medical attention if skin irritation occurs.

Eye contact:

If contact lenses are available please remove.

Total eye wash 15 minutes, while eyelids are open

Do not rub dry eyes. This may cause additional irritation of the cornea.

Please contact eye specialist doctor immediately.

4.2. Acute and later watched effects

Inhalation of cement dust over a long period can

Cause coughing, shortness of breath and other diseases.

4.3. First signs for medical attention and special treatment needed

No data are available for the first signs of medical attention and special treatment needed

5. FIRE FIGHTING MEASURES

5.1. Suitable Extinguishing Apparatus

Product is non-flammable. Fire fighting measures that suit the environment.

5.2. Specific hazards arising from the substance or mixture

The goods are not usable, on deformation by burning .

5.3. Advice for fire-fighting teams

During fire fighting personnel must use breathing apparatus and chemical protective clothing..

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

Wear protective clothing.

Avoid formation of dust.

Provide adequate ventilation.

6.2. Environmental precautions

improper spillage may cause soil and water contamination

Prevent it comes into the sewer and water

6.3.Methods and materials to store and clean

Collect spilled product mechanically. Use personal protective equipment in case of dust.

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7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid dust formation.

Avoid direct contact with the substance

Use personal protective equipment.

Make sure the environment is well ventilated.

7.2. Conditions for safe storage, including at nonconformity

Protect from water and moisture. Keep away from food and drink. Store in a well-ventilated and dry place.

7.3. Specific end use

The durability of the final product is 12 months.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control Parameters

At all doses for Cement the least toxic limit is 5mg/m³.

General dust limit worth is 6 mg/m³

8.2. Exposure controls

Protective equipment

Breathing Equipment

Use dust mask if dust consists

Protection of Hands

Nitrile impregnated cotton-gloves. Use the cream to protect the skin

Eye Protection

Where splashing is possible or when we working above the eye level we should used fully closed and preventative eyeglasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Basic Physical and Chemical Properties

| | |
|---|------------------------------|
| Colour | Beige, Gray |
| Form | Powder |
| Smell | scentless |
| pH Vaule (20°C) | 12-13 (in water) |
| Flash Point | Not applicable |
| Ignition Temperature | Not applicable |
| Self-inflammability | Product is not self-igniting |
| Danger of Explosion | Product is not explosive |
| Solubility in / Miscibility with Water solids | <2 g/l %100 |

9.2. Other Information

No Information

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10. STABILITY AND REACTIVITY

10.1 Reaction

Can cause a reaction in humid areas..

10.2 Chemical stability

Is stable under appropriate storage conditions.

10.3 Dangerous Reactions

Keep dry.

Avoid contact with water.

Dangerous Products of Composition

Not found

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.2 Mixture

a) Acute Toxicity

On the eye

Can cause severe eye irritation.

On the Skin

irritating to skin

Effect on the skin sensitivity

Chromate is reduced in the product. No danger, during warehousing.

Other Information

The product has no dangerous effects when used as directed.

The product contains no hazardous pieces or asbest that are harmful to the health.

It is without chlorine and does not contain formaldehyde.

Chromate Value is reduced.

b) Irritant

On the skin: irritating to skin and mucous membranes.

Eyes: has a strong irritant and can cause serious damage to eyes

c) Corrosive

Is not corrosive. Has an Irritant effect.

d) Carcinogenicity

Does not contain carcinogenic substances.

f) Mutagenicity

Does not contain ingredients which impact mutagenic

g)Reproduction system of toxicity

Reproduction does not contain toxic substances.

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12. ECOLOGICAL INFORMATION

12.1 Toxicity

General Notes

No ecological studies to the product are available. Do not allow product to reach ground water, water bodies or sewage systems. Harmful effects on man and environment (ecologically negative effects) are hitherto unknown and are not to be expected. With proper handling and use as intended the product has, no ecotoxic effects are caused.

12.2. Permanence and degradability

There is no information about the biodegradability of the product.

12.3. Bioaccumulative potential

There are no data about bioaccumulation.

12.4. Mobility in the soil

The product is not damaged in nature and shows very little solubility in water..

12.5. PBT ve vPvB valuation results

PBT ve vPvB as assessed does not contain any components.

12.6. Other Effects

There is no information about other effects.

13. DISPOSAL CONSIDERATIONS

13.1 General information

Prevent it to reach sewage system in surface water and groundwater sources of drinking water, standing and running water.

Uncleaned Packaging

Carefully and completely emptied packs can be disposed of as building site or commercial waste.

14. TRANSPORT INFORMATION

Not dangerous to transport regardless of method.

14.1. UN Number: -

14.2. Un Transport Name: -

14.3. Transport harmfulness classes:-

14.4. Packaging Group:

14.5. Environmental damage:

IMDG - class: -

ADR :-

RID :-.

14.6. Special precautions for user

Not applicable.

14.7. MARPOL 73/78 ek II and Public transport according to the IBC Code

Not applicable.

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16. OTHER INFORMATION

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