

Material Safety Data Sheet

It is prepared pursuant to 1907/2006/EC and Regulation on Information Forms on Harmful Substances and Mixtures (R.G. 13.12.2014-29204) .

Print Date:23.12.2019

SDS Code:GM-VF-005-A

Control Date:

1 Identification of the substance/admixture and Company/Distributor

1.1. Identification of the substance/admixture

Trade Name: CERMIPROOF BITUM PLUS 2C – A COMP.

1.2. Specified or recommended usage of substance/admixture

Insulating material

1.3. Details of the supplier of the MSDS

Company Name: Koramic Yapı Kimyasalları
Bozüyük OSB 10.Cad No : 3 Bozüyük/BİLECİK
Phone: +90 228 314 63 00
Fax: +90 228 314 63 05
SDS Contact: yasemin.karel@koramic.com.tr

1.4.Emergency Phone Number: +90 228 314 63 00(Workdays,in overtime period)
NATIONAL TOXICITY INFORMATION CENTER: 114

2.Hazard Identification

2.1. Classification Of The Product According to Regulation (EC) No 1272/2008

Adverse physicochemical, human health and environmental effects: No other hazards

2.2. Label Elements

Symbols: None

Hazard Statements: None

Precautionary Statements:None

Special Provisions:

3 Information of Composition/Ingredients

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3.1. Description Of The Substance: Not applicable

3.2. Mixture

Hazardous components within the meaning of the CLP regulation and related classification :< 30% free crystalline silica ($\text{Ø} > 10 \mu$)

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

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

4 First Aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.Continue rinsing.If eye irritation Persists: Get medical advice/attention.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Most important symptoms and effects, both acute and delayed No specific hazards are encountered under normal product use.

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

Treat symptomatically.

5 Fire-fighting measures

5.1. General Information and Flammable Properties

5.2. Special hazards arising from the substance or mixture:

Water spray. Dry powder. Foam. Carbon dioxide.

5.3 Unsuitable extinguishing media

High volume water jet.

5.4. Special hazards arising from the product

Toxic fumes may be released

5.5. Advice for fire-fighters

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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6 Accidental release measures.

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

Ventilate spillage area. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental Precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Take up liquid spill into absorbent material. Collect in closed containers for disposal. Dispose of materials or solid residues at an authorized site.

7 Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities:

Keep container tightly closed and dry. Keep in a cool, well-ventilated place away from incompatible materials.

7.3. Specific End Uses:

No additional information available

8 Exposure controls/personal protection

8.1. Control parameters

Calcium carbonate (1317-65-3)		
WEL	TWA (mg/m³)	10 mg/m³

8.2. Exposure controls

8.2.1. Appropriate engineering controls

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Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protective equipment

8.2.2.1. Eye / Face protection:

Safety glasses. Standard EN 166 - Personal eye-protection.

8.2.2.2. Skin protection

Wear suitable protective clothing

Protective gloves. Standard EN 374 - Protective gloves against chemicals.

8.2.2.3. Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.3. Environmental exposure controls

Avoid release to the environment.

9 Physical and chemical properties

Physical state	:Liquid
Colour	:Brown
Odour	: Characteristics
Odour threshold	: No data available
pH	:10.5-11.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

10 Stability and reactivity.

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

11.1. General Information

11.2. Acute toxicity

No data available

11.3. Skin corrosion/irritation and eye damage/eye irritation

No data available

11.4. CMR effects (Carcinogenity):

No data available

11.5. CMR effects (Mutagenicity and Toxicity for reproduction) :

No data available

11.6. STOT-single/repeated exposures:

STOT-single exposure : No data available

STOT-repeated exposure : No data available

12 Ecological Informations

12.1. Ecotoxicity

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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- 12.2. Photo degradation** : No data available
12.3. Mobility : No data available
12.4. Results of PBT and vPvB assessment : No additional information available
12.5.

Persistence and degradability:

Decomposition Potential of the products : No data available

The half-life of degradation : No data available

Potential degradation of product content in the evaluation of wastewater treatment plants : No data available

Bioaccumulation Potential :

Biological environment (biota) accumulation potential : No data available

Potential - nutrients pass through : No data available

12.6. Additional information

No data available

13 Disposal considerations

13.1. Waste treatment methods

Regional legislation(waste) : Dispose in a safe manner in accordance with local/national regulations

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

14 Transport information.

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

ADR	IMDG	IATA	ADN	RID
14.1. UN Number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				

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Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Enviromental Hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

14.6. Specials precautions for users

- Overland

transport

Not applicable

- Transport by sea

Not applicable

- Air

transport

Not applicable

- Inland

waterway

transport

- Not

applicable

- Rail transport

Not applicable

15 Regulatory information.

15.1. Safety, Health And Environmental Regulations / Legislation Specific For The Substance

15.1.1. EU Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substance

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15.1.2. National regulations

No additional information available

15.2. Chemical Safety Assessment:

No chemical safety assessment has been carried out

16 Other Information

The information contained in this Safety Data Sheet is provided only for the latest information and findings. However, neither do they constitute a warranty nor do they constitute a contractual legal relationship. The information provided is for the safe storage, handling, transport and disposal of the product mentioned in this safety data sheet. This information is not used for other products.

16.1.Safety Data Sheet Prepared by:

Prepared by: Yasemin KAREL

Certificate no: NBC/01.146.05

Certificate validity date : 17.01.2021

16.2.Relevant H- and EUH-phrases (number and full text):

16.3. Abbreviations

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 Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
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 Toxic

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PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

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1. Identification of the substance/admixture and Company/Distributor

1.1. Identification of the substance/admixture

Product form : Mixtures
Product name : CERMIPROOF BITUM 2C – B COMP.

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

1.2.1. Relevant identified uses

Insulation material; dust component.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the MSDS

Company Name: Koramic Yapı Kimyasalları
Bozüyük OSB 10.Cad No : 3 Bozüyük/BİLECİK
Phone: +90 228 314 63 00
Fax: +90 228 314 63 05
SDS Contact: yasemin.karel@koramic.com.tr

1.4. Emergency Phone Number: +90 228 314 63 00(Workdays,in overtime period)
NATIONAL TOXICITY INFORMATION CENTER: 114

2. Hazard Identification

2.1. Classification Of The Product

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Causes skin irritation H315

Serious eye damage/eye irritation, Category 1 H318

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction.
Causes serious eye damage.

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2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazardous ingredients : Cement

Hazard statements (CLP) : H315 – May cause skin irritation.
: H318 – Causes serious eye damage

Precautionary statements (CLP) : P264 – Wash hands, forearms and face thoroughly after handling
: P280 – Wear eye protection, face protection, protective clothing, protective gloves

advice/attention : 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 a doctor
: P333+P313 – If skin irritation or rash occurs: Get medical
: P362 – Take off contaminated clothing and wash before reuse.

2.3. Other hazards

No additional information available

3. Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification (CLP)
Quartz	(CAS-No.) 14808-60-7 (EC-No.) 238-878-4	50 - 100	Not Classified
Cement	(CAS-No.) 65997-15-1 (EC-No.) 266-043-4	5 - 20	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335

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Full text of H-statements: see section 16

4. First aid measures

4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.

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

Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam.
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.
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5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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6. Accidental release measures.

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Collect in closed containers for disposal. Avoid dust formation.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

7. Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid dust formation. Do not breathe dust. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities:

Storage conditions : Keep container tightly closed and dry. Keep in a cool, well-ventilated place away from incompatible materials. Avoid dust formation.

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7.3. Specific End Uses:

No additional information available

8. Exposure controls/personal protection

8.1. Control parameters

Zinc stearate (557-05-1)		
WEL	TWA (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust
WEL	STEL (mg/m ³)	20 mg/m ³ inhalable dust
Quartz (14808-60-7)		
WEL	(mg/m ³)	0.1 mg/m ³ respirable crystalline

8.2. Exposure controls

Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.

Hand protection:

Standard EN 374 - Protective gloves against chemicals.

Eye protection:

Standard EN 166 - Personal eye-protection. Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid	
Appearance	: Powder	
Colour	: Grey	: Solid

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Odour	: Characteristics
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

No additional information available

10. Stability and reactivity.

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

12. Ecological Informations

12.1. Toxicity

Ecology – general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

13. Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

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

14. Transport information.

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

ADR	IMDG	IATA	ADN	RID
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14.1. UN number

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.2. UN proper shipping name

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.3. Transport hazard class(es)

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.4. Packing group

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.5. Environmental hazards

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

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Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol 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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

16. Other Information

The information contained in this Safety Data Sheet is provided only for the latest information and findings. However, neither do they constitute a warranty nor do they constitute a contractual legal relationship. The information provided is for the safe storage, handling, transport and disposal of the product mentioned in this safety data sheet. This information is not used for other products.

16.1. Safety Data Sheet Prepared by:

Prepared by: Yasemin KAREL

Certificate no: NBC/01.146.05

Certificate validity date : 17.01.2021

16.2. Relevant H- and EUH-phrases (number and full text):

Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1

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Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life

16.3. 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 Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
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 Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

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SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative