

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:22.01.2020

Control Date:

SDS Code: CP-CX-007

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING**1.1. Product Identifier**

Mixture Name : CermiProof PU 2C

Product GBF¹ No : 17

1.2. Relevant Identified Uses Of The Product And Uses Advised Against

Relevant Identified Uses : Two component coating material that supports water isolation. It is solvent free, hard elastic, UV stable, cold applied and cold curing polyurethane liquid membrane. It produces a durable but highly elastic membrane after two component polymerization.

Uses Advised Against : See chapter 16 for a general overview

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. HAZARDS IDENTIFICATION**2.1. Classification Of The Product****2.1.1. Classification According to Regulation (EC) No 1272/2008**

Carcinogenicity, Category 2; H351

Acute toxicity, Category 4,; H332

Skin irritation, Category 2; H315

2.2. Label Elements**2.2.1. Labeling According to Regulation (EC) No 1272/2008 [CLP²/GHS³]****Product Identifier****Hazard Component for Labeling**

4,4'-methylenediphenyl diisocyanate

Hazard Pictograms

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Danger :

**Signal Word**

Danger

Hazard Statement(s)

- H315** : Causes skin irritation.
H332 : Harmful if inhaled.
H351 : Suspected of causing cancer

Precautionary Statement(s)**General**

-

Prevention

- P201** : Obtain special instructions before use.
P202 : Do not handle until all safety precautions have been read and understood.
P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 : Use only outdoors or in a well-ventilated area.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P312** : Call a POISON CENTER/doctor/...if you feel unwell.
P302+P352 : IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 : IF ON SKIN(or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
P304+P340 : IF INHALED:Remove person to fresh air and keep.
P308+P313 : IF exposed or concerned: Get medical advice/attention.
P322 : Specific measures (see ... on this label).
P363 : Wash contaminated clothing before reuse.

Storage

- P403+P235** : Store in a well-ventilated place. Keep cool.
P405 : Store locked up

Bertaraf

- P501** : Dispose of contents/container to ...

2.3. Hazard Identification

No data available.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Description Of The Substance

Name	EINECS NO	CAS NO	CONTENT %	CLASSIFICATION (CLP)
4,4'-methylenediphenyl diisocyanate	202-966-0	101-68-8	5-20	Carcinogenicity, Category 2; H351 Acute toxicity, Category 4, inhalation; H332 Specific Target Organ Toxicity (repeated exposure), Category 2; H373 Eye irritation, Category 2; H319 Specific Target Organ Toxicity (single exposure), Category 3; H335 Skin irritation, Category 2; H315 Respiratory sensitisation, Category 1; H334 Skin sensitisation, Category 1; H317
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	271-090-9	68515-48-0	5-10	This substance is classified as not hazardous according to regulation (EC) 1272/2008
Calcium oxide	215-138-9	1305-78-8	0-1	Skin irritation, Category 2; H315 Serious eye damage, Category 1; H318 Specific Target Organ Toxicity (single exposure), Category 3; H335

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4. FIRST AID MEASURES**4.1. Description of first aid measures****4.1.1. General information**

Consult a physician. Show this safety data sheet to the doctor in attendance.

4.1.2. Following inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

4.1.3. Following skin contact

Wash off with soap and plenty of water. Consult a physician.

4.1.4. Following eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.1.5. Following ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.1.6. Self-protection of the first aider**4.1.7. Notes for the doctor**

Unlikely to be required but if necessary treat symptomatically.

5. FIRE-FIGHTING MEASURES**5.1. General Information and Flammable Properties**

-

5.2. Special hazards arising from the substance or mixture:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3. Unsuitable extinguishing media

No data available.

5.4. Special hazards arising from the product

Carbon oxides

5.5. Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.6. Additional information

Use water spray to cool unopened containers.

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6. ACCIDENTAL RELEASE MEASURES**6.1. Personal Precautions, Protective Equipment And Emergency Procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2. Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3. Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4. Other Information:

Comply with local regulations

6.5. Reference to other sections

- Dispose of contaminated material as waste in accordance with section 13.

7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Flammable liquids

7.3. Specific End Uses:

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control parameters****8.1.1. Occupational exposure limits:**

No data available.

8.2. Exposure controls**8.2.1. Appropriate engineering controls**

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Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2. Personal protective equipment**8.2.2.1. Eye / Face protection:**

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

8.2.2.2. Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Fluorinated rubber

Minimum layer thickness: 0,7 mm

Break through time: 480 min

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M) Splash contact

Material: Fluorinated rubber

Minimum layer thickness: 0,7 mm

Break through time: 480 min

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M) Test edilen malzeme: Vitoject® (KCL 890 / Aldrich Z677698, Boyut M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body protection

· Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Other Protection

· Handle in accordance with good industrial hygiene and safety practice.

8.2.2.3. Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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8.2.3. Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	A component viscous liquid , B component liquid
Colour	White, Grey, Brick Red,Blue
Odour	No data available
Odour Threshold	No data available
pH	No data available
Meltin point/Freezing point (°C)	No data available
Initial boiling point and boiling range (°C)	No data available
Flash point (closed cup) (°C)	>40
Auto-ignition temperature (°C)	No data available
Evaporation rate	No data available
Density g/cm ³ @ 23°C	1,4
Viscosity @ 23°C (cp)	3000-7500

Note: The above features were determined according to prescribed methods at the Classification, Packaging and Labeling of Hazardous. Substances Regulation Section A-3 or a method comparable to the other.

10. STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available

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10.4. Conditions to avoid

Heat, flames and sparks

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION**11.1. General Information**

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

11.2. Acute toxicity

No data available

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

Causes skin irritation. Harmful in contact with skin.

11.4. CMR effects (Carcinogenity):

Suspected of causing cancer .

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

No data available

11.6. Other Toxicological Effects:

Allergic Effects : No data available

Effects on Repeated Doses

Chronic Exposures : No data available

Sensitization : No data available

Developmental Toxicity : No data available (Teratojenite)

Fertility : No data available

11.7. STOT-single/repeated exposures:

STOT-single exposure : No data available

STOT-repeated exposure : No data available

11.8. Symptoms related to the physical, chemical and toxicological characteristics:**11.9.**

In case of inhalation	Harmful if inhaled.
In case of skin contact	Causes skin irritation. Harmful in contact with skin.
In case of eye contact	No data available
In case of ingestion	No data available

11.10. Additional Toxicological Information:

No data available

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12. ECOLOGICAL INFORMATION

- 12.1. Ecotoxicity** : No data available
12.2. Photo degradation : No data available
12.3. Effects on Waste Water Treatment Plants : No data available
12.4. Mobility : No data available
12.5. Results of PBT and vPvB assessment:

Biotic:	
Ready biodegradability:	No data available
Abiotic:	
Hydrolysis as a function of pH:	No data available
Photolysis:	No data available
Atmospheric oxidation:	No data available

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. Product / Packaging disposal**

- This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.

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- If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means.
- Shelf life considerations should also be applied in making decisions of this type.
- Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.
- When recycling of the product is not possible, disposal to landfill or incineration in accordance with all applicable government laws and regulations is recommended.
- Disposal according to local authority regulations.
- Contact waste disposal services.

13.2. Contaminated packaging

- If there is product residue in the emptied container, follow directions for handling on the container's label.
- Contaminated packaging must be emptied of all residues and can be recycled following appropriate cleaning..

13.3. Disposal Methods

- Dispose of chemicals waste or in accordance with local regulations.
- Follow all applicable local laws, rules and regulations regarding the proper disposal of this material.
- If this product has been altered or contaminated with other hazardous materials, appropriate waste analysis may be necessary to determine proper method for disposal

13.4. European Waste Catalogue

- The final classification has to be done together with the local waste disposal company /authority.

14. TRANSPORT INFORMATION

No hazardous according to RID,ADR,ADNR,IMGD,IATA-DGR.

15. REGULATORY INFORMATION**15.1. Safety, Health And Environmental Regulations / Legislation Specific For The Substance**

None of the ingredients is found on the regulatory lists.

15.2. Kimyasal Güvenlik Değerlendirmesi:

No data available

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15.2.1. Hazard

CLP classification according to Annex VI of CLP (Regulation (EC) No 1272/2008)

- Carcinogenicity, Category 2; H351
- Acute toxicity, Category 4, inhalation; H332
- Skin irritation, Category 2; H315

15.3. International Regulations

- This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and ISO 11014:2009. This product is classified according to EU Directive GHS/CLP.

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.**

- H315** : Causes skin irritation.
H332 : Harmful if inhaled.
H351 : Suspected of causing cancer.

16.4. Legal disclaimer

- The purpose of the above information is to describe the products only in terms of health and safety requirements.
- The information given should not, therefore, be construed as guaranteeing specific properties or as specification.
- Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.
- The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

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- The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.
- The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.

¹ CLP:Classification Labelling and Packaging

² GHS:Global Harmonised System

³ ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

⁴ ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

⁵ RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

⁶ ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways

⁷ IMDG: International Maritime Code for Dangerous Goods

⁸ ICAO: International Civil Aviation Organization

⁹ IATA: International Air Transport Association

²³TWA: Time weighted average

²⁴PEL: Permissible Exposure Limit