

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Mixture Name : ElePrufe PU Bitumen 1K

Product GBF¹ No : 09

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

Relevant Identified Uses : One component, ready to use, liquid, excellent adhesion to different surfaces by creating a very elastic and durable film with high mechanical and chemical resistance, tensile, tear and abrasion resistance, continuous elastic structure with shrinkage cracks bridging properties, reaction with air humidity curing, polyurethane based waterproofing coating.

Uses Advised Against : See chapter 16 for a general overview

1.1. Details Of The Supplier Of The Safety Data Sheet

Supplier (Manufacturer) : East Meets West Danışmanlık Hizmetleri Dış Ticaret Şti Ltd

Address : Daire 17, Ak Ör Apartmanı Blok B, Bağdat Caddesi, Suadiye
Istanbul, Türkiye

Telephone : 00 90 5468276151

1.2. Information Providing Authority About Safety Data Sheet

Ahmet Balı info@ep-materials.com

1.3. Emergency Telephone Number

National poison service center (UZEM) : 114

Company Emergency : 00 90 54682716151

2. HAZARDS IDENTIFICATION

2.1. Classification Of The Product

2.1.1. Classification According to Regulation (EC) No 1272/2008

Flammable liquids, Category 3; H226

Skin irritation, Category 2; H315

Serious eye damage/eye irritation, Category 2; H319

Respiratory Sensitization, Category 1; H334

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, Xylene

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

Hazard Pictograms



Danger :
Signal Word
Danger

Hazard Statement(s)

- H226** : Flammable liquid and vapour
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statement(s)

General

-

Prevention

- P210** : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 : Keep container tightly closed.
P240 : Ground/bond container and receiving equipment.
P241 : Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 : Use only non-sparking tools.
P243 : Take precautionary measures against static discharge.
P261 : Avoid breathing dust/fume/gas/mist/vapours/ spray.
P264 : Wash soap and water thoroughly after handling.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P285 : In case of inadequate ventilation wear respiratory protection.

Response

- 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).
P305+P351+P338 : IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P304+P341 : IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 : If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

P337+P313 : Get medical advice/attention.
P321 : Specific treatment (see on this label)
P332+P313 : If skin irritation occurs: Get medical advice/ attention.
P362 : Take off contaminated clothing and wash before reuse.
P370+P378 : In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

Storage

P403+P235 : Store in a well-ventilated place. Keep cool.

Disposal

P501 : Dispose of contents/ container to an approved waste disposal plant

2.3. Hazard Identification

EUH208 : 4,4'-methylenediphenyl diisocyanate may cause allergic reactions.

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	0,1-0,3	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
Xylene	215-535-7	1330-20-7	10-20	Flammable liquids, Category 3; H226 Acute toxicity, Category 4, dermal; H312 Acute toxicity, Category 4, inhalation; H332 Skin irritation, Category 2; H315
Calcium oxide	215-138-9	1305-78-8	0-2	Skin irritation, Category 2; H315

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

				Serious eye damage, Category 1; H318 Specific Target Organ Toxicity (single exposure), Category 3; H335
Bitumen	Mix.	Mix.	10-30	This substance is classified as not hazardous according to regulation (EC) 1272/2008
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	271-090-9	68515-48-0	0-2	This substance is classified as not hazardous according to regulation (EC) 1272/2008

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

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

Wear self contained breathing apparatus for fire fighting if necessary.

5.6. Additional information

Use water spray to cool unopened containers.

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

According to (Ec) No 1907/2006 (Reach)

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

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) Material Tested: 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

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

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).

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	Viscous
Colour	Black
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)	>30
Auto-ignition temperature (°C)	No data available
Evaporation rate	No data available
Density g/cm ³ @ 23°C	1,30 ± 0,05
Viscosity @ 23°C (cp)	3000 – 6000
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

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.

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

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 :

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:

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

11.9. Additional Toxicological Information:

No data available

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

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

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.
- 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.

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

14. TRANSPORT INFORMATION

	ADR ⁴ /RID ⁵	ADNR ⁶	IMDG ⁷	ICAO ⁸ /IATA ⁹
TRANSPORTATION	Road	River	Marine	Airways
UN/ID No	1139	1139	1139	1139
PROPER SHIPPING NAME	UN 1139 COATING SOLUTION, N.O.S			
PICTOGRAM				
PACKAGING GROUP	III	III	III	III
CLASS	3	3	3	3
LABELLING NO	3	3	3	3
CLASS CODE	F1			
HAZARD NO (HIN NO)	30			
EmS			F-E-S-E	
MARINE Pollutant			NO	

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. Chemical Safety Assessment:

No data available

15.1.1. Hazard(s)

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

- Flammable liquids, Category 3; H226
- Skin irritation, Category 2; H315
- Serious eye damage/eye irritation, Category 2; H319
- Respiratory Sensitization, Category 1; H334

15.2. 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.

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

16. OTHER INFORMATION

16.1. Other Information

- The above information complies with the 1907/2006 Directive and its amendments.
- In all cases of potential poisoning supportive therapy is of the utmost importance.
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16.2. Related Person

16.3. Revision Date, Version and SDS no

Date : April 1, 2019
Version : 02
SDS No : 09

16.4. Reason of re-issue

- Compling according to Regulation (EC) No 1272/2008.

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

H312 : Harmful in contact with skin.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.
H351 : Suspected of causing cancer.
H373 : May cause damage to organs through prolonged or repeated exposure.

- 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.
- 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

Safety Data Sheet

According to (Ec) No 1907/2006 (Reach)

Version : 2.0
Form No: 09

Creation : 30.11.2018
Revision : 01.04.2019

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

²³ TWA: Time weighted average

²⁴ PEL: Permissible Expo