



MATERIAL SAFETY DATA SHEET

It is issued pursuant to 1907/2006 EC (REACH), Annex II - 1272/2008 CLP; 453/2010' and the "Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures" (dated 13.12.2014 and numbered 29204).

PLATO P 4000

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Information on the substance

Commercial Name: Plato P 4000
Product Code: GBF-ALC-000002

1.2 Relevant identified uses of the substance/mixture

Waterproofing Material

1.3 Details of the Company/Undertaking

1.3.1 Manufacturer

Company Name: Alu Asap Yapı Ve Yapı Malz. A.Ş.
Trademark: Membran Ankara
Address: Saray Mahallesi 684.Cad No:20 Kazan/Ankara
Phone: +90 312 802 04 01-02
Fax: +90 312 802 04 08
E-mail: ankaramembran@ankaramembran.com
Website: www.ankaramembran.com.tr

1.4 MSDS Responsible

Burcu DURNA- burcu@ankaramembran.com - +90 312 802 04 01-02

1.5 Emergency Contact

Company Emergency Contact: +90 546 589 23 31
Emergency First Aid Center: 112
National Toxic Advice Center: 114
Fire Department: 110



2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Non-hazardous substance or mixture according to the (EC) Directive No. 1272/2008.

2.2 Labeling pursuant to CLP

2.2.1 Measures

Precaution:

P201 – Please read the special instructions before using it.

Response:

P308+313 – In case of exposure or interaction: Get medical aid/care.

Storage:

P405 – Store locked up.

2.3 Other Detriments

There is no known detriment other than the one listed in the Labeling section.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name of Substance	%	CAS No.	EC No.	Classification
Bitumen	50	8052-42-4	232-490-9	Non-hazardous substance or mixture according to the (EC) Directive No. 1272/2008.
Calcium Carbonate, Calcite	30	1317-65-3	215-279-6	Non-hazardous substance or mixture according to the (EC) Directive No. 1272/2008.
Polypropylene	20	9003-07-0	-	Non-hazardous substance or mixture according to the (EC) Directive No. 1272/2008.

* Classification of this chemical substance is made by the manufacturer company.



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4. FIRST AID MEASURES

4.1 Description of First Aid Measures

4.1.1 General Warnings: Please avoid all kinds of unnecessary exposure.

4.1.2 Respiration: The victim should be taken out to fresh air if there is any cough or any irritation in the nose and throat due to low respiration. The victim should be taken to a doctor if the symptoms continue.

4.1.3 Contact with skin: If the hot product accidentally contacts with the skin, then the contaminated clothing should be removed and the contacted part of the skin should be washed. If hot product contacts with the skin, then one should not struggle to remove the product from the skin, but wash the skin with cold water for 10 minutes. Ask for medical assistance in case of irritation.

4.1.4 Contact with eye: Keep the eyelids open and wash with plenty of water for at least 15 minutes. If there is any rash or pain, then the victim should be controlled by a doctor. If hot product gets into an eye, then wash it with plenty of cold water. Take the victim to a hospital.

4.1.5 Swallowing: If only the mouth is contaminated, then it should be washed out with water. If the victim has swallowed high amount of the product, then the victim should be taken to a doctor without forcing the victim to vomit.

4.2 Most important symptoms / effects, acute & delayed:

The product may cause throat irritation or skin irritation. See Section 11.

4.3 Symptoms requiring medical emergency and special treatment

Oxygen must be provided to the victim if there is hard time with respiration.

5. FIREFIGHTING MEASURES

5.1 Suitable Extinguishers

Foam, dry chemicals and water mist should be used. Fire department should be notified in case of big fires. Always an escape route should be determined for the fires. Dry chemicals, foam, water mist and carbon dioxide type fire extinguishers should be used for small fires.

5.2 Unsuitable Extinguishers

Never intervene the fire with water. If water is poured on the fire, then this might cause the fire to spread. Toxic gases arise as a result of burning. It may take fire in high temperatures.

5.3 Hazardous Decomposition / Combustion Products

No data is available.

5.4 Personal Protection Initiative and Personal Protective Equipment for Firefighters

Indoor fires should be extinguished by trained personnel wearing protective clothing and oxygen mask.

5.6 Other Information

No data is available.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Measures, Protective Equipment and Emergency Procedures

Use the personal protective equipment listed in Section 8.

6.2 Environmental Measures

Prevent it from dispersing, and mixing into the channels or rivers.

6.3 Methods and items related to restraint and cleaning

Clean it with sand or any inert absorbent. Transfer it into a closed container. Small spills should be washed with plenty of water. Dispose according to the local authority rules.

6.4 Additional Warnings

Information related to personal protective equipment is available in Section 8.

Information related to disposal is available in Section 13.

7. HANDLING AND STORAGE

7.1 Use / Handling

A good ventilation should be ensured in the working environment and one should avoid breathing in the vapor arising during use. One should avoid contact with the skin, and the hygienic rules should be applied. One should avoid contact with eye. Goggles or face mask should be used for preventing it from contacting with eye. Avoid eating, drinking and smoking while using the product. Use disposable clothing. Dispose the contaminated clothing without packaging it.

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7.2 Storage

Coils should be stored perpendicularly in indoor areas. If the coils need to be stored in open for a while, then they should be covered for protection against sun rays. If coils will be stacked with and without palette, then they should not be placed one on another.

Recommended shelf life of the membranes is 12 months. It is not recommended to use the membranes, which have waited for more than 12 months, due to their reducing performance caused by aging. (Hardening, cracking while opening, dimensional changes etc. problems might arise due to the reducing performance of the membranes.)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No data is available.

8.2 Exposure Controls



Ensure sufficient ventilation at the workspace.

8.2.1 Personal Protection Measures

It does not require any special measure. General/Special protective measures are sufficient for the use of this product.

8.2.1.1 Respiration: Avoid breathing in the solvents. Use it in a well ventilated room.

8.2.1.2 Hand protection: Use VITON or NITRILE rubber gloves.

8.2.1.3 Eye protection: Avoid contacting with the eye. Wear protective goggles (goggles) for preventing exposure.

8.2.1.4 Skin protection: Protective clothing (except PVC and natural rubber) including impermeable gloves (VITON or NITRILE rubber gloves) should be used when the product will contact with the skin. Anti-static protective clothing and shoes must be used for an active protection against static electric. If there is any ignition risk, then fire-resistant protective clothing and gloves should be used. Protective gloves, shoes and clothing should be regularly controlled and maintained.

8.3 Other Information

See Sections 6, 7, 12 and 13.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information

Appearance	Solid / Coil
Color	Black
Odor	Oil odor
Odor threshold	Data is not available.

9.2 Important Health, Safety and Environment Information

pH	Data is not available.
Temperature Resistance	120°C
Breaking Point	-10°C
Density	1-1,2
Solubility (in water)	Insoluble
Self-ignition characteristic	It is not a self-ignition product.
Conductivity	N/A

10. STABILITY AND REACTIVITY

10.1 Reactivity

It should not contact with strong reducing (oxidizing) agents.

10.2 Chemical Stability

It is stable under normal conditions of use.

10.3 Possibility of Hazardous Reaction

No dangerous polymerization arises.



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10.4 Conditions to Avoid

Avoid heat, spark, open flame and other igniters.

10.5 Incompatible Materials

It should not contact with strong reducing (oxidizing) agents.

10.6 Hazardous Decomposition Products

No data is available.

11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

Skin: It may irritate the skin. Symptoms might contain rash, itching and swelling.

Eyes: It is expected to be mildly irritant. Contact with hot product might cause severe eye burns and/or blindness.

Respiration: It is not expected to cause any sensitivity.

Aspiration damage: In case of swallowing and vomiting, it might damage the lungs due to respiration.

Gamete Mutagenicity: It is not recognized as a mutagenic hazard.

Carcinogenicity: It is not recognized as a carcinogenic hazard.

Reproductive and Developmental Toxicity: It is not expected to cause any danger.

Certain Target Organ Toxicity - single exposure: It is not expected to cause any danger.

Certain Target Organ Toxicity - repeated exposure: It is not expected to cause any danger.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product is not classified as environmentally hazardous. However, big or frequent spills are likely to cause damage or have detrimental effect on the environment.

12.2. Persistence and Degradability

No data is available.

12.3 Bioaccumulative Potential

No data is available.

12.4 Mobility in Soil

No data is available.

12.5 Results of PBT and vPvB Assessment

No data is available.

12.6 Additional Information

No data is available.

13. DISPOSAL CONSIDERATIONS

13.1 Recommendation for Product Disposal

Dispose according to the regional and/or national regulations.

Wastes including empty containers should be disposed according to the regulations issued within the scope of the Law on Pollution Control and the Law on Environmental Protection.

- Wastes and used packages should be disposed according to the official regulations.
- The manufacturer is responsible for determining the suitable waste class and disposal methods for the product pursuant to the EU and local regulations.
- Prevent it from being released to the underground and ground waters, drinking water resources, still and flowing waters, and sewer system.
- There is no European Waste Code assumed related to its use.

14. TRANSPORT INFORMATION

14.1 UN, IMDG, ADR/RID, ICAO/IATA Number

No data is available.

14.2 Shipping Name

No data is available.

15. REGULATORY INFORMATION

15.1 Safety, Health and Environment Legislation for the Substance or Mixture

See Section 2 for information on classification and labeling.



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Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures
Regulation on Limitations Related to the Production, Placing on the Market and Use of Some Hazardous Substances, Preparations and Goods
Regulation on Occupational Health and Safety
Regulation of Health and Safety Measures for the Works with Carcinogenic and Mutagen Substances
Regulation of Health and Safety Measures for the Works with Chemical Substances
Regulation on the Use of Personal Protective Equipment at the Workplaces
Regulation on Controlling the Hazardous Wastes

15.2 Chemical Security Assessment

There is no chemical security assessment available.

16. OTHER INFORMATION

16.1 Relevant H Phrases (Section 3)

Non-hazardous substance or mixture according to the (EC) Directive No. 1272/2008.

16.2 Material Safety Data Sheet Prepared by/Issued by/Published by

Başkent Danışmanlık Hizmetleri Yapı Tic. Ltd. Şti. on behalf of Aluç Ahşap Yapı Ve Yapı Malz. A.Ş. Ankara Membran
Specialist: Chemical Engineer İpek TOSUN (ipek@baskent.com.tr)

Specialist Accreditation No.: TSE GBF- 1825 (23.03.2015)

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16.2.1 Contact Person

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+90 312 802 04 01-02

16.3 Issuance Date

09.11.2016

16.4 Issue No.

1

16.5 Material Safety Data Sheet No.

GBF- ALC -000002

16.6 Other Matters

- Please contact with our sales department for our training recommendations related to the safe use of the product.
- Please contact with our sales department for recommended limitations and recommendations, which are not legally obligated, related to the use of the product.
- Key information sources used for issuing this safety data sheet;
 - ❖ Safety Data Sheet related to the product issued by **Aluç Ahşap Yapı**,
 - ❖ "Regulation on Preparation and Distribution of Safety Data Sheets Related to Hazardous Substances and Preparations" and annexes thereof,
 - ❖ "Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures" and annexes thereof,
 - ❖ UN ADR, IMDG, IATA lists, ECHA and relevant EU directives,
 - ❖ Other supplementary resources.

16.7 Additional Information

- The information provided in this Safety Data Sheet is prepared based on our best experience, knowledge and belief as of the date the information is prepared. The information given is designed for providing a guidance on safe handling, use, processing, storage, transportation, destruction and disposal.
- Unless otherwise stated in the document, this information only applies for the given substance and might not be valid if this substance is used with other substances or used in any other process.
- Please take the information provided in the Safety Data Sheet into account for use.
- This information is based on our existing knowledge.
- This Safety Data Sheet defines the product according to the suitable safety regulations, but does not guarantee the assurance of product specifications.
- It does not constitute any kind of guarantee and does not establish a legally valid agreement related to the product specifications.



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16.8 Abbreviations

CPL: Classification, Packaging, Labeling

HSMD: Hazardous Substances and Mixtures Directive

EINECS No.: The number issued by the European Commission according to the structural characteristic of the substance.

CAS No.: The number issued by the Chemical Abstracts Service.

RTECS: The Registry of Toxic Effects of Chemical Substances.

TWA: Time Weighted Average / Concentration allowing the repeated exposure of the personnel without any adverse affect during the working period of 8 hours per day and 40 hours per week.

STEL: Short term limit value / Unless any other term is given, the maximum exposure limit value that should not be exceeded for a period of 15 minutes.

DNEL: Derived No-Effect Levels.

DMEL: Derived Minimal Effect Levels.

PNEC: Predicted No-Effect Concentration.

EN Standards: Personal Protective Equipment standards established by CEN (European Committee for Standardization).



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Noter Yeminli Tercüman
Ufuk ÖZSOY

(Signature)