



SAFETY DATA SHEET

It is issued according 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

Date of Preparation: 14.11.2016 **Version:** 2
Updated on: 04.02.2020 **MSDS No:** GBF- İŞ -000066
Release Date: 05.02.2020 **Page:** 1 / 8

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

1.1 Information About the Substance

Product Identifier: PLATO P 4000

Product Code: -

1.2 Product Use

Waterproofing Material

1.3 Company Introduction

1.3.1 Manufacturer

Company Name: Aluç Ahşap Yapı Ve Yapı Malz. A.Ş. Membran Ankara
Address: Saray Mahallesi 684.Cad No:20 Kazan/Ankara
Phone: +90 312 802 04 01-02
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1.4 Providing Information About The Safety Data Sheet

Gülcan ÇAR - gulcan@ankaramembran.com - +90 312 802 04 01-02

1.5 Information in Emergency Situations

Company Emergency Advisory : +90 312 802 04 01-02
Emergency First Aid Center : 112
National Poison Information Centre : 114
Fire : 110



2. HAZARD 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

2.2.1 Labeling pursuant to SEA and CLP

2.2.1.1 Hazard Pictograms

No data available.

2.2.1.2 Detriment expressions and Hazard warnings

No data available.

2.2.1.3 Precautionary Statements

General:

P101 If medical advice is required, store the packaging or label.
P102 Keep out of reach of children.
P103 Read the label before using it.

Storage:

P405 Store under lock.

Disposal:

P501 Dispose of contents / container according to the procedure.

2.3 Other Hazards

There is no known hazard other than the one listed in the labeling section.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	%	CAS No	EC No	Hazard 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.



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Polypropylene	20	9003-07-0	-	Non-hazardous substance or mixture according to the (EC) Directive No. 1272/2008.
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* The classification of this chemical substance has been made by the manufacturer.

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. FIRE FIGHTING 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 available.

5.4 Personal Protection Initiative and Personal Protective Equipment for Firefighters

In case of fire wear protective equipment and MSHA / NIOSH approved respiratory protection apparatus recommended for fire-fighters.

5.5 Other Information

Avoid breathing gases that are released during the fire, which can be harmful to health.

Evacuate the staff chemical where the danger is inaccessible.

Cool the packages in the fire area and drain them safely.

Avoid polluting the environment by using more fire extinguishers than necessary.

Fire fighting residues should not be allowed to reach sewage and groundwater.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Measures, Protective Equipment and Emergency Procedures

Wear protective equipment. Keep away from ignition sources. Do not breathe fumes/vapor. Avoid contact with skin and eyes. Exposure controls and personal protective measures as described in section 8. Provide adequate ventilation. Do not bring unprotected persons closer.

6.2 Environmental Measures

Unsuitable discharge into the environment can cause soil and water contamination. Do not mix with sewerage / surface water / underground water. Inform authorities in case of water or sewer disposal.

6.3 Methods and items related to restraint and cleaning

Comply with local regulations. Collect harmful material with appropriate liquid binding material (e.g. sand, earth, vermiculite). Place it in an appropriate container and dispose of it according to the 13th division.



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6.4 Additional Warnings

Information related to safe use is available in Section 7.

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

In accordance with the provisions of the "Regulation on Health and Safety Precautions in Chemical Matters and Procedures" published in the Official Gazette dated 26/12/2003 and numbered 25328 concerning the measures to be taken in the works and workplaces that are working with hazardous chemicals, in order to protect health, safety and environment, care should be taken to ensure that the work procedures in the workplace are planned and that organizational measures are taken.

Warnings for safe use:

It is imperative that industrial hygiene standards are adhered to in order to prevent swallowing, skin and skin contact during the use of chemicals. Employees should be trained to explain the hazards of the substance and how to behave during the work. Keep it where children cannot reach. Wear personal protective equipment (see section 8). Use only in well-ventilated areas. Provide sufficient air exchange and/or exhaust in work rooms. Wash thoroughly after handling. Remove clothing that is contaminated with the product and wash it before using again. It is forbidden to eat and drink anything in the application area. Do not smoke.

Technical Measures

Do not store near food, drinks, medicines, cosmetics or fertilizers.

Keep away from children.

Measures for the environment

Prevent mixing into sewer / surface water / groundwater. Notify authorities and inform authorities if water or sewerage is involved.

Custom Rules for Manual Handling

Prevent direct contact with the substance. Do not smoke.

Warnings for protection against fire and explosion

Avoid open flames, direct sunlight and other sources of ignition-No smoking.

Use explosion-proof equipment.

Protect against electrostatic charges.

Additional information

You take precautions to avoid damage to the original packaging.

7.2 Storage

Features required in warehouses and warehouses

Store only in its original packaging.

Store in cool, dry containers in well sealed containers.

Alerts on co-storage

Store in a dry, cool and well-ventilated area in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and in original containers away from food and beverages. Protect from excessive heat and frost.

Further information on storage conditions

Keep container tightly closed.

Containers that have been opened must be carefully sealed again and held upwards to prevent leakage.

Do not store in unlabeled containers.

See Chapter 10 before handling or using incompatible materials.

The product must not come into contact with the floor in order to avoid damage.

It should be stacked up to 12 rows.

Shelf life

12 months

7.3. Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

No data is available.



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Components with limit values that must be checked for the workplace:

No data is available.

Additional information: Based on valid lists at the time of issue.

8.2 Exposure Controls

Exposure Limit Values:

No data available.

Exposure Controls:

Occupational Exposure Controls: Equipment to be used where personal protection is required and appropriate protection methods are defined in accordance with "Personal Protective Equipment Regulation" dated 9.2.2004 and numbered 25368. Make sure that personal protective equipment is used in accordance with applicable regulations.

Keep away from foodstuffs, drinks and feedstuffs.

Remove contaminated, contaminated clothing immediately.

Wash your hands before and during the breaks.

Keep protective clothing in a separate place.

Avoid touching your eyes and skin.

After contact with the body, please clean it with enough water and soap or use appropriate cleaning products if necessary.

8.2.1 Personal Protection Measures

8.2.1.1 Respiration: It is not mandatory to use breathing protection in areas where ventilation is sufficient. In areas where ventilation is insufficient, type A (EN 14387) masks are recommended.

8.2.1.2 Hand protection: Protective gloves in accordance with EN 374 must be used.

If hands are to be immersed in cement, waterproof, wear-resistant and alkaline-resistant gloves and clothing must be used to prevent skin contact. Use additional skin protection products to protect skin from prolonged contact with wet cement. In contact with material if contact

Wash with PH-neutral soap and water.

Glove material must be impermeable and resistant to the product / material / preparation. Selection of materials used for glove manufacturing requires consideration of perforation times, permeability rates and degradation.

Glove material

Use VITON or NITRILE rubber gloves.

In selecting the appropriate gloves, not only the manufacturing material but also other quality features must be taken into consideration and these vary from manufacturer to manufacturer. Since each product comes from a combination of many materials, the durability of gloves can not be calculated in advance and therefore every glove must be checked before use.

Penetration time to glove material

The exact puncture should be learned from the manufacturer of the gloves and this time must be respected.

8.2.1.3 Eye protection: It is recommended to wear protective goggles against splashes. A protective device in accordance with EN 166 must be used.

8.2.1.4 Skin protection: Wear appropriate chemical resistant clothing and boots.

8.2.2 Environmental exposure controls

To avoid effects on people and the environment, work in accordance with the instructions.

8.3 Other Information

See chapters 6, 7, 12, 13.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid / Coil
Colour	Black
Odor	Oil odor
Odor Threshold	Data is not available.
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



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9.2 Other Information

No further information is available.

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 Reactions

No dangerous polymerization arises.

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

No data is available.

11.2 Effect of Abrasion and Irritation (Corrosivity and Irritation)

Skin corrosion / irritation

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

Serious eye damage / irritation

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

Respiratory or skin sensitization

It is not expected to cause any sensitivity.

11.3 Chronic Toxicity (Toxic Effect on Carcinogenic, Mutagenic and Reproductive)

Carcinogenicity	It does not meet the classification criteria according to the available data.
Mutagenic Effect	It does not meet the classification criteria according to the available data.
Reproductive toxicity	It does not meet the classification criteria according to the available data.

11.4 Other Toxicological Effects

No data is available.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

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 evaluation

No data available.

12.6 Other Inverse

Do not allow its release to the environment. Please see sections 6, 7, 13, 14 and 15 for information on measures against accidental release to the environment, transport., and waste disposal

13. DISPOSAL CONSIDERATIONS



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13.1 Suggestion for Product Disposal

- Dispose of the absorbed material by burning it in an appropriate facility with a license.
- Waste and used packaging should be disposed of in accordance with official regulations.
- Prevent surface and underground waters, sources of drinking water, standing and running water from mixing with sewer.

13.2 Safe Disposal

- The product must be disposed of in accordance with official regulations.
- Do not allow the product to be disposed of with household garbage.
- It is strictly forbidden to mix the product with sewerage and groundwater.
- Inform the authorities in such cases.

13.3 European Waste Catalog and Hazardous Waste List Number

- Identification of waste identification numbers / waste definitions should be made according to the EWC as specific to industry and processes.

13.4 Uncleaned Packages

- RECOMMENDATION: It is suggested to dispose in accordance with official regulations.

13.5 Recommended Cleansing Material:

- Deliver the used packaging to institutions or organizations that provide professional waste disposal services.

13.6 Additional Information:

- See national and international legislation on waste.
- Do not dispose of the product without checking the waste regulations.
- For safe handling methods, see Chapter 7.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID, IMDG, IATA

Not regulated as a dangerous good.

14.2 Proper UN transport name

ADR/RID, IMDG, IATA

Not regulated as a dangerous good.

14.3 Transport hazard class (es)

ADR/RID, IMDG, IATA

Class

Not regulated as a dangerous good.

14.4 Packaging group

ADR/RID, IMDG, IATA

Not regulated as a dangerous good.

14.5 Environmental hazards

Marine pollutant

No data available

14.6 Special precautions for the user

See Chapters 6, 7, and 8.

14.7 Transportation in bulk according to MARPOL 73/78 and IBC code

Not applicable

15. REGULATORY INFORMATION

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

See Section 2 for information on classification and labeling.

Regulation on Classification, Labeling and Packaging of Substances and Mixtures

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



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15.2 Chemical Security Assessment

There is no chemical security assessment available.

16. OTHER INFORMATION

16.1 Related H-phrases (Section 3)

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

16.2 Prepared for the Safety Data Sheet/Edited by/Published

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16.2.1 Contact

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16.3 Issue Date

05.02.2020

16.4 Regulation No

2

16.5 Safety Data Sheet No

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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.
- This MSDS is based on information and documents received from the manufacturer. As these information and documents are incomplete or inaccurate, the MSDS preparer cannot be held responsible for the erroneous regulation of the prepared MSDS and therefore for the material damages and non-pecuniary damages that the product owner will face.
- Key information sources used for issuing this safety data sheet;
 - ❖ Information given by **Aluç Ahşap Yapı** for the product
 - ❖ "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.

16.8 Abbreviations

CAS No	Chemical Abstract Service Number
CERCLA	Comprehensive Environmental Response, Compensation And Liability Act
CFR	Code Of Federal Regulation
DOT	U.S. Department Of Transportation



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EC	Exposure Concentration
E.I.N.E.C.S.	European Inventory Of Existing Cemmercial Chemical Substances
HMIS	Hazardous Material Information System
IARC	International Agency For Research On Cancer
LD50	(Lethal Dose 50) İs The Döşe Of Chemical, Which Kills 50% Of A Sample Polulation
NFPA	The International Fire Protection Association
NIOSH	National Institute For Occupational Safety And Health
NTP	National Toxicology Program
OSHA	Occupational Safety And Health Administration
PEL	Permissible Exposure Limit
SARA	Superfund Amendments And Reauthorizantion Act
TDG	Transportation Of Dangerous Goods
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weight Average (8 Hour)
WHMIS	Workplace Hazardous Material Information System