

SAFETY DATA SHEET tepePAN Pro

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier		
Product name	tepePAN Pro	
1.2. Relevant identified uses of th	e substance or mixture and uses advised against	
Identified uses	Used interior and exterior coatings in all kinds of buildings, in prefabricated and steel structures, as wall covering materials and backboards, under tile applications, in suspended ceiling systems, in fire wall construction, in sound insulation, in heat insulation systems, as the bottom plate of roof coverings, as a sub-material of cupboards or panels.	
Uses advised against	No specific uses advised against are identified.	
1.3. Details of the supplier of the	safety data sheet	
Supplier	TEPE BETOPAN YAPI MALZEMELERİ SAN. VE TİC. A.Ş. Beytepe Köyü Yolu No : 5 06800 Bilkent /Ankara - Türkiye Telephone: +90 312 266 45 51 pbx Fax: +90 312 266 01 50 E-mail: betopan@betopan.com.tr Web: www.betopan.com.tr	
Contact person	Mr. Berkay ERTEM	
1.4. Emergency telephone number		
Emergency telephone	TEPE BETOPAN : +90 312 266 45 51 (Office hours)	
National emergency telephone number	UK-National Poisons Information Service (NPIS) Email: director.birmingham.unit@npis.org Website: http://www.npis.org/ Acil Sağlık Hizmetleri: 112.	
SECTION 2: Hazards identification		

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)	
Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335
Environmental hazards	Not Classified
2.2. Label elements	
Hazard pictograms	
Signal word	Danger
Hazard statements	H315 Causes skin irritation.
	H318 Causes serious eye damage.
	1217 May aguag an alloraig alvin reaction

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.



According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Precautionary statements	P261 Avoid breathing dust.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,
	if present and easy to do. Continue rinsing.
	P501 Dispose of contents/ container in accordance with national regulations.

Contains

Cement, portland, chemicals

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Cement, portland, chemicals		40-60%
CAS number: 65997-15-1	EC number: 266-043-4	
Classification		
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
Skin Sens. 1B - H317		
STOT SE 3 - H335		
Quartz sand		25-45%
CAS number: 14808-60-7	EC number: 238-878-4	
Classification		
Not Classified		

The full text for all hazard statements is displayed in Section 16.

Composition comments	See section 8 for workplace exposure limits.
SECTION 4: First aid measu	ires
4.1. Description of first aid n	neasures
General information	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
Inhalation	The product does not have any hazard due to its form. Harmful dust may be released during cutting or grinding process. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist

affected person by administering oxygen. Place unconscious person on their side in the recovery position

Ingestion Rinse mouth thoroughly with water. Remove any dentures. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.

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According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Skin contact It is important to remove the substance from the skin immediately. In the event of any sensilisation symptoms developing, ensure further exposure is avoided. Remove contanisation with scap and water or recognised shin cleansing agait. Get medical attention if symptoms are severe or presist after washing. Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. 4.2. Most important symptoms and effects, both acute and delayed See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Inhalation Symptoms following overexposure to dust may include the following: Irritation of nose, throat and ainway. Difficulty in breathing. Coughing. Skin contact May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation to skin. Eye contact Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Recheess. 4.3. Indication of any immediate met/cal attention and special treatment needed Notes for the doctor Statible extinguishing media The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Statible extinguishing media Do no tuse water jet as an extinguisher, as this will spread the fire. Statible extinguishing media None known.		
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary
	and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of
	this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash
	thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination
	and disposal are in place. Do not touch or walk into spilled material. Avoid inhalation of dust. Use suitable
	respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.



According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

6.2. Environmental precautions	
Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.
6.3. Methods and material for cor	ntainment and cleaning up
Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Neutralise with acid. Caution. May generate heat. Following dilution and neutralisation, discharge to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. For waste disposal, see Section 13.
6.4. Reference to other sections	
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
SECTION 7: Handling and storag	e
7.1. Precautions for safe handling	1
Usage precautions	Read and follow manufacturer's recommendations. For use in industrial installations only. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Do not handle until all safety precautions have been read and understood. Harmful dust may be released during cutting or grinding process. Do not breathe dust.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.
7.2. Conditions for safe storage, i	ncluding any incompatibilities
Storage precautions	Store away from incompatible materials (see Section 10). Store away from the following materials: Acids. Keep container tightly closed, in a cool, well ventilated place. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.
Storage class	Acid-reactive storage.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
SECTION 8: Exposure controls/P	ersonal protection

8.1. Control parameters

Occupational exposure limits

Cement, portland, chemicals

Long-term exposure limit (8-hour TWA): 15 mg/m³ Total dust Long-term exposure limit (8-hour TWA): 5 mg/m³ Respirable dust

Quartz sand

Long-term exposure limit (8-hour TWA): 0.05 mg/m³ respirable crystalline

8.2. Exposure controls
Protective equipment

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tepePAN Pro

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Appropriate engineering controls	Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Use FFP3 TYPE mask during assembly and cutting.
Environmental exposure controls	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Store in a demarcated bunded area to prevent release to drains and/or watercourses.
SECTION 9: Physical and chemica	al properties

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Solid.



According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Colour	Beige.	
Odour	Odourless.	
рН	pH (diluted solution): 10,5-12,0	
Melting point	Not applicable.	
Flash point	Not applicable.	
Evaporation rate	Not applicable.	
Upper/lower flammability or explosive limits	No information available.	
Vapour pressure	Not applicable.	
Vapour density	Not applicable.	
Bulk density	No information available.	
Solubility(ies)	Not determined.	
Viscosity	Not applicable.	
Explosive properties	Technically not feasible.	
9.2. Other information		
Other information	No information required.	
SECTION 10: Stability and reactive	ity	
10.1. Reactivity		
Reactivity	See the other subsections of this section for further details.	
10.2. Chemical stability		
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.	
10.3. Possibility of hazardous read	stions	
Possibility of hazardous reactions	No potentially hazardous reactions known.	
10.4. Conditions to avoid Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.	
10.5. Incompatible materials		
Materials to avoid	Acid anhydrides. Acids. Phenols, cresols.	
10.6. Hazardous decomposition products		
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.	
SECTION 11: Toxicological information		
11.1. Information on toxicological	effects	
Acute toxicity - oral Notes (oral LD∞)	Based on available data the classification criteria are not met.	

Acute toxicity - dermal



According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - inhalation Notes (inhalation LC₀)	Based on available data the classification criteria are not met.
Skin corrosion/irritation Animal data	Irritating.
Serious eye damage/irritation Serious eye damage/irritation	Eye Dam. 1 - H318 Causes serious eye damage.
Respiratory sensitisation Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation Skin sensitisation	May cause skin sensitisation or allergic reactions in sensitive individuals.
Germ cell mutagenicity Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity - sin	
STOT - single exposure	STOT SE 3 - H335 May cause respiratory irritation.
Target organs	Respiratory system, lungs
Specific target organ toxicity - rep STOT - repeated exposure	eated exposure Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard Aspiration hazard	Not relevant. Solid.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Symptoms following overexposure to dust may include the following: Irritation of nose, throat and airway. Difficulty in breathing. Coughing.
Ingestion	May cause sensitisation or allergic reactions in sensitive individuals. May cause irritation.
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals. Redness. Irritating to skin.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	Respiratory system, lungs



According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Medical considerations Skin disorders and allergies.		
Toxicological information on ingredients.		
		Quartz sand
Carci	inogenicity	
Carci	nogenicity	Based on available data the classification criteria are not met.
IARC	carcinogenicity	IARC Group 1 Carcinogenic to humans.
Inhala	ation	Dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Inges	tion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin	contact	Prolonged contact may cause dryness of the skin.
Eye o	contact	Dust may cause slight irritation.
SECTION 12: Ecolo	gical information	
Ecotoxicity	-	rded as dangerous for the environment. However, large or frequent spills may have hazardous n the environment.
Ecological information	on on ingredients.	
		Quartz sand
Ecoto	oxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
12.1. Toxicity		
Toxicity	Based or	n available data the classification criteria are not met.
12.2. Persistence ar	nd degradability	
Persistence and deg	gradability The degr	radability of the product is not known.
12.3. Bioaccumulati		
Bioaccumulative pot		available on bioaccumulation.
<u>12.4. Mobility in soil</u> Mobility		available.
-		
Ecological information on ingredients. Quartz sand		
5.4 - L-11	14	
Mobil	lity T and vPvB assessment	The product is insoluble in water.
Results of PBT and assessment		duct does not contain any substances classified as PBT or vPvB.
12.6. Other adverse	effects	

Other adverse effects

None known.



According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.	
Disposal methods	Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.	
SECTION 14: Transport information		
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
14.1. UN number		
Not applicable.		
14.2. UN proper shipping name		
Not applicable.		
14.3. Transport hazard class(es)		
No transport warning sign required	1.	
14.4. Packing group		
Not applicable.		
14.5. Environmental hazards		
Environmentally hazardous substa No.	ance/marine pollutant	
14.6. Special precautions for user		
Not applicable.		
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.	
SECTION 15: Regulatory informat		

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulationsHealth and Safety at Work etc. Act 1974 (as amended).The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI
2009 No. 1348) (as amended) ["CDG 2009"].EH40/2005 Workplace exposure limits.



According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information	
Abbreviations and acronyms used in the safety data sheet	 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC₅₀: Lethal Concentration to 50 % of a test population. LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose). EC₅₀: 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Classification abbreviations and acronyms	Eye Dam. = Serious eye damage Skin Irrit. = Skin irritation Skin Sens. = Skin sensitisation STOT SE = Specific target organ toxicity-single exposure
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/
Classification procedures according to Regulation (EC) 1272/2008	Eye Dam. 1 - H318: STOT SE 3 - H335: Skin Irrit. 2 - H315: Skin Sens. 1 - H317: : Calculation method.
Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
Revision comments	SDS has been revised under the current regulations.
Issued by	Büşra Tarakci / CRAD gbf@crad.com.tr Tel.:+90 216 3354600
Revision date	24/06/2021
Revision	0.1
Supersedes date	24.06.2021
SDS number	5479-1



According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Hazard statements in full

H315 Causes skin irritation.H317 May cause an allergic skin reaction.H318 Causes serious eye damage.H335 May cause respiratory irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.