



## SAFETY DATA SHEET

### 220-TEKNOPLAST PTFE KATKILI İPEK MAT İÇ CEPHE BOYASI

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	220-TEKNOPLAST PTFE KATKILI İPEK MAT İÇ CEPHE BOYASI
Description	Acrylic emulsion based, silk-matt, scrubbable and washable interior topcoat paint containing PTFE additive. It has been proven by laboratory tests that it is effective against SARS-CoV-2 (Covid-19) virus, Staphylococcus Aureus, Escherichia Coli, MRSA, VRE bacteria and Aspergillus Brasiliensis, Penicillium Purpurogenum microorganisms. Provides 99.99% protection against SARS-CoV-2(COVID-19) virus.

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	It is suitable for all types of interior surfaces of buildings like hospital, hotel, restaurant, kitchen, shop, school, office etc.
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##### 1.3. Details of the supplier of the safety data sheet

Supplier	DYO Boya Fabrikaları San. ve Tic. A.Ş D.O.S.B 2.Kısım Fırat Cad. No:11 Dilovası/Kocaeli/Turkey 02627547560 02627547571 www.dyo.com.tr
Contact person	Lami Tiryaki
Manufacturer	DYO Boya Fabrikaları San. ve Tic. A.Ş D.O.S.B 2.Kısım Fırat Cad. No:11 Dilovası/Kocaeli/Turkey 02627547560 02627547571 www.dyo.com.tr

##### 1.4. Emergency telephone number

Emergency telephone	02627547560 / 02624440396
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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

##### 2.2. Label elements

Hazard statements	EUH208 Contains Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
Precautionary statements	P501 Dispose of contents/ container to ... P273 Avoid release to the environment.

##### 2.3. Other hazards

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>ETHANEDIOL</b>	<b>1-5 %</b>
CAS number: 107-21-1	EC number: 203-473-3
<b>Classification</b> Acute Tox. 4 - H302	
<b>Pyrithione Zinc</b>	<b>0,10±0,01 %</b>
CAS number: 13463-41-7	EC number: 236-671-3
M factor (Acute) = 100	M factor (Chronic) = 10
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 2 - H330 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
<b>Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)</b>	<b>&lt;0,0015 %</b>
CAS number: 55965-84-9	
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	No special treatment required.
<b>Inhalation</b>	Fresh air and rest.
<b>Ingestion</b>	Rinse mouth. Give plenty of water to drink. Keep affected person under observation. Get medical attention immediately.
<b>Skin contact</b>	Immediately remove contaminated clothing and wash skin with soap and water.
<b>Eye contact</b>	Continue to rinse for at least 15 minutes and get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	No special treatment required.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor                      Treat according to symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media      The product is non-combustible.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards                      The product is not flammable.

#### 5.3. Advice for firefighters

Protective actions during  
firefighting                      No specific firefighting precautions known.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions                Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation. Wear protective gloves.

#### 6.2. Environmental precautions

Environmental precautions        Avoid discharge into drains or watercourses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up            Absorb spillage with non-combustible, absorbent material. Flush contaminated area with plenty of water. Contain spillage with sand, earth or other suitable non-combustible material.

#### 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. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Usage precautions                    Provide adequate ventilation.

Advice on general  
occupational hygiene                Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions                Store at moderate temperatures in dry, well ventilated area.

#### 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/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### ETHANEDIOL

Long-term exposure limit(TWA 8-hour): WEL 52 mg/m<sup>3</sup>(Sk)

Short term exposure limit(STEL 15-minute): WEL 104 mg/m<sup>3</sup>(Sk)

Ingredient comments                No exposure limits known for ingredient(s).

#### 8.2. Exposure controls

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### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation.

**Eye/face protection**

Wear chemical splash goggles.

**Hand protection**

Wear protective gloves.

**Other skin and body protection**

Wear chemical protective suit.

**Hygiene measures**

Provide eyewash station. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

**Respiratory protection**

No specific requirements are anticipated under normal conditions of use.

**Environmental exposure controls**

Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Various colours.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	Technically not feasible.
<b>pH</b>	7,0 - 9,0
<b>Melting point</b>	Technically not feasible.
<b>Initial boiling point and range</b>	Technically not feasible.
<b>Flash point</b>	Technically not feasible.
<b>Evaporation rate</b>	Technically not feasible.
<b>Evaporation factor</b>	Technically not feasible.
<b>Flammability (solid, gas)</b>	Technically not feasible.
<b>Upper/lower flammability or explosive limits</b>	Technically not feasible.
<b>Other flammability</b>	Technically not feasible.
<b>Vapour pressure</b>	Technically not feasible.
<b>Vapour density</b>	Technically not feasible.
<b>Relative density</b>	No specific test data are available.
<b>Bulk density</b>	1,29 - 1,33 g/cm <sup>3</sup> , 25°C'de
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Technically not feasible.
<b>Auto-ignition temperature</b>	Technically not feasible.

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<b>Decomposition Temperature</b>	No specific test data are available.
<b>Viscosity</b>	118 - 124 KU/ 25°C
<b>Explosive properties</b>	Technically not feasible.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	There are no chemical groups present in the product that are associated with oxidising properties.
<b>Comments</b>	Information given is applicable to the product as supplied.
<b>9.2. Other information</b>	
<b>Refractive index</b>	Technically not feasible.
<b>Particle size</b>	No specific test data are available.
<b>Molecular weight</b>	Technically not feasible.
<b>Volatility</b>	No specific test data are available.
<b>Saturation concentration</b>	Technically not feasible.
<b>Critical temperature</b>	Technically not feasible.
<b>Volatile organic compound</b>	<46 g/L(theoretical), Directive 2004/42/CE Annex II.A-a

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Will not polymerise.

#### 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** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

**Other health effects** There is no evidence that the product can cause cancer.

**General information** No specific health hazards known.

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<b>Inhalation</b>	No specific health hazards known.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin contact</b>	No specific health hazards known.
<b>Eye contact</b>	May cause temporary eye irritation.

Toxicological classifications are based on available information. RTECS (Portland Cement): VV8770000

### Toxicological information on ingredients.

#### ETHANEDIOL

##### Acute toxicity - oral

ATE oral (mg/kg) 500.0

#### Pyrrithione Zinc

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 269.0

Species Rat

ATE oral (mg/kg) 269.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 0.84

Species Rat

ATE inhalation (vapours mg/l) 0.84

#### Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 75.0

Species Rat

ATE oral (mg/kg) 100.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 141.0

Species Rabbit

ATE dermal (mg/kg) 300.0

##### Acute toxicity - inhalation

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Acute toxicity inhalation (LC <sub>50</sub> dust/mist mg/l)	0.33
Species	Rat
ATE inhalation (dusts/mists mg/l)	0.33

### SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment.

#### 12.1. Toxicity

**Toxicity** The product is not believed to present a hazard due to its physical nature.

#### Acute aquatic toxicity

**Acute toxicity - fish** No test data.

**Acute toxicity - aquatic invertebrates** No test data.

**Acute toxicity - aquatic plants** No test data.

**Acute toxicity - microorganisms** No test data.

**Acute toxicity - terrestrial** No test data.

#### Ecological information on ingredients.

#### Pyrithione Zinc

#### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.001 < L(E)C<sub>50</sub> ≤ 0.01

M factor (Acute) 100

#### Chronic aquatic toxicity

M factor (Chronic) 10

#### Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

#### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1

M factor (Acute) 1

#### Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Degradability Non-rapidly degradable

M factor (Chronic) 1

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is not biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

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**Partition coefficient** Technically not feasible.

### 12.4. Mobility in soil

**Mobility** Not considered mobile.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** No information required.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. International Disposal Code of product : 080111 International Disposal code of containers : 150110 Dispose of empty containers in accordance with national regulations.

**Disposal methods** Burning

**Waste class** H-5

## 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.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 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 information

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



## 220-TEKNOPLAST PTFE KATKILI İPEK MAT İÇ CEPHE BOYASI

<b>EU legislation</b>	Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC. 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). 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).
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### 15.2. Chemical safety assessment

#### SECTION 16: Other information

<b>General information</b>	The temperature of the surface should not be lower than 5°C.
<b>Revision comments</b>	General revision
<b>Issued by</b>	Lami Tiryaki, Çevre ve Tehlikeli Kimyasallar Uzmanı GBF Sertifika No:GBF-A-0-2971, Belge Tarihi:25.04.2019, Geçerlilik Tarihi:25.04.2022
<b>Revision date</b>	03/08/2021
<b>Revision</b>	0.1
<b>Supersedes date</b>	27/09/2016
<b>SDS number</b>	20946
<b>Hazard statements in full</b>	H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H331 Toxic if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. EUH208 Contains Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that requirements of relevant legislation are complied with. The information contained in this material safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.