



FPB.001-11.01

## SAFETY DATA SHEET

### MATRIX MAT

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
Commission Regulation (EU) 2020/878 of 18 June 2020.

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

##### 1.1. Product identifier

Product name	MATRIX MAT
Product number	449
Container size	0.75 L, 2.5 L, 15 L
Description	It is an alkyd binder based, matt top coat paint.

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

Identified uses	Applied on interior and exterior wooden, plastered and metal surfaces, on vehicles and on above water surfaces of naval vessels.
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##### 1.3. Details of the supplier of the safety data sheet

Supplier	POLISAN KANSAI BOYA SAN. VE TİC. A.Ş. Demirciler Osb. Mh. Refik Baydur Cd. No:7/3 Dilovası - KOCAELİ TÜRKİYE www.polisankansai.com.tr +90 262 679 60 00 +90 262 606 03 70 info@polisankansai.com
Contact person	OHS DEPARTMENT
Manufacturer	POLISAN KANSAI BOYA SAN. VE TİC. A.Ş. Demirciler Osb. Mh. Refik Baydur Cd. No:7/3 Dilovası - KOCAELİ TÜRKİYE www.polisankansai.com.tr +90 262 679 60 00 +90 262 606 03 70 info@polisankansai.com

##### 1.4. Emergency telephone number

Emergency telephone	POLISAN KANSAI BOYA SAN. TİC. A.Ş. : +90 262 679 73 45
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#### SECTION 2: Hazards identification

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

###### Classification (SI 2019 No. 720)

Physical hazards	Flam. Liq. 3 - H226
Health hazards	STOT RE 2 - H373
Environmental hazards	Aquatic Chronic 3 - H412

Human health	Vapours and spray/mists in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.
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Environmental	The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12 for additional information on ecological hazards.
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## MATRIX MAT

### Physicochemical

Flammable.

Classification (Regulation (EC)  
No. 1272/2008 CLP).

### 2.2. Label elements

#### Hazard pictograms



#### Signal word

Warning

#### Hazard statements

EUH208 Contains ETHYL METHYL KETOXIME, cobalt bis (2-ethylhexanoate). May produce an allergic reaction.  
H226 Flammable liquid and vapour.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/ container in accordance with national regulations.  
P102 Keep out of reach of children.

#### Contains

WHITE SPIRIT

### 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

<div>white spirit</div> <div>CAS number: 64742-88-7</div> <div>EC number: 265-191-7</div> <div>10-20%</div>
<div>Classification</div> <div>Flam. Liq. 3 - H226</div> <div>STOT SE 3 - H336</div> <div>Asp. Tox. 1 - H304</div> <div>Aquatic Chronic 2 - H411</div>
<div>WHITE SPIRIT</div> <div>CAS number: 64742-88-7</div> <div>EC number: 265-191-7</div> <div>5-10%</div>
<div>Classification</div> <div>Flam. Liq. 3 - H226</div> <div>STOT RE 1 - H372</div> <div>Asp. Tox. 1 - H304</div> <div>Aquatic Chronic 2 - H411</div>

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ETHYL METHYL KETOXIME		<1%
CAS number: 96-29-7	EC number: 202-496-6	
<b>Classification</b>		
Acute Tox. 4 - H312		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Carc. 2 - H351		

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>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. 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>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	May cause irritation to eyes.

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat according to instructions. .
<b>Specific treatments</b>	No data available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Water jet.

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

<b>Specific hazards</b>	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> . Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).

#### 5.3. Advice for firefighters

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<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of vapours and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.
<b>For non-emergency personnel</b>	No data available.
<b>For emergency responders</b>	No data available.

#### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Keep away from heat, sparks and open flame. Good personal hygiene procedures should be implemented.
<b>Advice on general occupational hygiene</b>	Take off contaminated clothing. Good personal hygiene procedures should be implemented.

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

<b>Storage precautions</b>	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Avoid contact with oxidising agents. Acids. Alkalis.
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#### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	Use the product according to its Technical Data Sheet or instructions written on the label.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

<b>Ingredient comments</b>	WEL = Workplace Exposure Limits
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#### 8.2. Exposure controls

##### Protective equipment



<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation.
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<b>Personal protection</b>	Use the personal protective equipments showed above.
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<b>Eye/face protection</b>	The following protection should be worn: Chemical splash goggles.
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<b>Hand protection</b>	Use protective gloves.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
<b>Hygiene measures</b>	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Viscous liquid.
<b>Odour</b>	Characteristic.
<b>Flash point</b>	41°C Pensky-Martens closed cup.
<b>Viscosity</b>	98-102 KU (25 °C)

#### 9.2. Other information

<b>Parlaklık</b>	0-10 Gloss (60 °C)
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Stable under normal conditions.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	The following materials may react violently with the product: Strong acids. Strong oxidising agents.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid contact with the following materials: Acids. Oxidising agents.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Flammable/combustible materials.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Toxicological effects</b>	No information available.
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#### Acute toxicity - oral

<b>Summary</b>	No information.
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#### Acute toxicity - dermal

<b>Summary</b>	No information.
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#### Acute toxicity - inhalation

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<b>Summary</b>	No information.
<b>Skin corrosion/irritation</b>	
<b>Summary</b>	No information.
<b>Serious eye damage/irritation</b>	
<b>Summary</b>	No information.
<b>Respiratory sensitisation</b>	
<b>Summary</b>	No information.
<b>Skin sensitisation</b>	
<b>Summary</b>	No information.
<b>Inhalation</b>	Prolonged inhalation of high concentrations may damage respiratory system.
<b>Ingestion</b>	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
<b>Skin contact</b>	Product has a defatting effect on skin. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.
<b>Eye contact</b>	May cause severe eye irritation.
<b>Target organs</b>	Skin Eyes Respiratory system, lungs
<b>11.2 Information on other hazards</b>	Veri mevcut değildir.
<b>Information on other hazards</b>	No information.

### SECTION 12: Ecological information

<b>Ecotoxicity</b>	Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.
<b>12.1. Toxicity</b>	
<b>Toxicity</b>	No data available.
<b>12.2. Persistence and degradability</b>	
<b>Persistence and degradability</b>	The product is not readily biodegradable.
<b>Stability (hydrolysis)</b>	No significant reaction in water.
<b>12.3. Bioaccumulative potential</b>	
<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>12.4. Mobility in soil</b>	
<b>Mobility</b>	The product is insoluble in water and will spread on the water surface.
<b>12.5. Results of PBT and vPvB assessment</b>	
<b>Results of PBT and vPvB assessment</b>	This product does not contain any substances classified as PBT or vPvB.
<b>12.6 Endocrine disrupting properties</b>	
<b>Endocrine disrupting properties</b>	
<b>12.6. Other adverse effects</b>	
<b>Other adverse effects</b>	No information required.

### SECTION 13: Disposal considerations

<b>13.1. Waste treatment methods</b>	
<b>General information</b>	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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### Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. ■ According to the European Waste Catalogue, Waste Codes are not product specific but application specific. Waste Codes should be assigned by the User based on the application in which the product is used. Treat dirty and empty storage containers as dangerous to fire and the environment. Must be disposed of in accordance with the "Regulations on Hazardous Waste". • Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified. • Dispose of by: Burial in a licenced land-fill or incineration in a licenced apparatus (after admixture with suitable combustible material).

### SECTION 14: Transport information

#### 14.1. UN number

##### UN number or ID number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT
Proper shipping name (IMDG)	PAINT
Proper shipping name (ICAO)	PAINT
Proper shipping name (ADN)	PAINT

#### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

##### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

#### 14.6. Special precautions for user

EmS	F-E, S-E
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ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number (ADR/RID) 30

Tunnel restriction code (D/E)

### 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

**Guidance** Workplace Exposure Limits EH40.  
Introduction to Local Exhaust Ventilation HS(G)37.  
CHIP for everyone HSG228.  
Approved Classification and Labelling Guide (Sixth edition) L131.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

**General information** This safety data sheet information was prepared as a requirement of Chemical Substances Regulations. Special conditions, the supplier of the product are beyond our control utilization, the consumer is responsible for ensuring mandatories of legislation on the subject. This security information is in the form of interest today are based on the national legislation of the state consists of, health, safety and environmental respects the way. For special cases, technical performance and does not guarantee conformance. Given is based on our present knowledge, however, does not constitute a guarantee for any specific product features and shall not establish a legally valid contract.

**Key literature references and sources for data** This SDS is prepared based on the information received from the raw material supplier.

**Issued by** Sahra Uzmaner / Certificate No: TÜV/11.212.10 / Date of Validity: 02.11.2028

**Revision date** 25/12/2023

**Revision** 04

**Supersedes date** 03/03/2016

**SDS number** 10160

**Hazard statements in full** H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if swallowed or if inhaled.  
EUH208 Contains ETHYL METHYL KETOXIME, cobalt bis (2-ethylhexanoate). May produce an allergic reaction.

**Signature** Sahra Uzmaner / Certificate No: TÜV/11.212.10 / Date of Validity: 02.11.2028



## MATRIX MAT

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.