



**SAFETY DATA SHEET**  
**PIGMACOLOR PIGMAFIX MF**  
 According to regulation (EU) No. 2015/830

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

**1.1. Product identifier**

**Product name** PIGMACOLOR PIGMAFIX MF

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

**Identified uses** Textile printing/dyeing

**1.3. Details of the supplier of the safety data sheet**

**Supplier** KEMİTEKS KİMYA SAN. VE TIC. A.Ş.  
 Ataturk Sanayi Bölgesi  
 Ömerli Mah. Gülce Sokak  
 No: 13  
 34555 Hadımköy  
 İstanbul / TÜRKİYE  
 Tel : + 90 212 771 28 28 (8 hat)  
 Faks : + 90 212 771 28 37  
 E-posta : info@kemiteks.com  
 www.kemiteks.com

**1.4. Emergency telephone number**

**Emergency telephone** info@kemiteks.com - Tel : +90 533 593 0771

**SECTION 2: Hazards identification**

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

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified

**Health hazards** Elicitation - EUH208

**Environmental hazards** Not Classified

**2.2. Label elements**

**Hazard statements** EUH208 Contains FORMALDEHYDE ...%. May produce an allergic reaction.

**2.3. Other hazards**

No proper information

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**hexakis(methoxymethyl)melamine** **60-80%**

CAS number: 3089-11-0

EC number: 221-422-3

**Classification**

Not Classified

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<b>FORMALDEHYDE ...%</b>	<b>&lt;0.2%</b>
CAS number: 50-00-0	EC number: 200-001-8
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335	

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

**Composition comments**      Polymeric solution

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

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

**Notes for the doctor**      No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**      The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

**Specific hazards**      Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Oxides of carbon. Oxides of nitrogen.

#### 5.3. Advice for firefighters

**Special protective equipment for firefighters**      Use protective equipment appropriate for surrounding materials.

### SECTION 6: Accidental release measures

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

**Personal precautions**      For personal protection, see Section 8.

#### 6.2. Environmental precautions

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**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** Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

### **6.4. Reference to other sections**

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### **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**

#### **FORMALDEHYDE ...%**

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### **8.2. Exposure controls**

#### **Protective equipment**



#### **Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

#### **Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

#### **Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### **Other skin and body protection**

Wear appropriate clothing to prevent any possibility of skin contact.

#### **Hygiene measures**

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

#### **Respiratory protection**

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

## **SECTION 9: Physical and chemical properties**

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	No characteristic odour.
<b>pH</b>	pH (concentrated solution): 7.5 - 9.5
<b>Initial boiling point and range</b>	>100°C
<b>Flash point</b>	~ 143°C
<b>Evaporation rate</b>	Not known.
<b>Vapour pressure</b>	2.34 kPa @ 20°C
<b>Vapour density</b>	Not known.
<b>Solubility(ies)</b>	Miscible with water.
<b>Auto-ignition temperature</b>	the product is not flammable
<b>Viscosity</b>	Max. 100 cps @ 20°C
<b>Explosive properties</b>	There are no chemical groups present in the product that are associated with explosive properties.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

### 9.2. Other information

#### 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** Not relevant. No potentially hazardous reactions known.

##### 10.4. Conditions to avoid

**Conditions to avoid** Not relevant.

##### 10.5. Incompatible materials

**Materials to avoid** No specific requirements are anticipated under normal conditions of use.

##### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

**Toxicological effects** Toxic dose LD<sub>50</sub> > 5000 mg/Kg ( oral - rat) - Test results of similar product (Analogy)

##### Acute toxicity - oral

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**ATE oral (mg/kg)** 5,882,353.0

### Acute toxicity - dermal

**ATE dermal (mg/kg)** 17,647,059.0

### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 41,176,471.0

**ATE inhalation (vapours mg/l)** 176,471.0

**ATE inhalation (dusts/mists mg/l)** 29,412.0

<b>Inhalation</b>	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Liquid may irritate skin.
<b>Eye contact</b>	May cause temporary eye irritation.

## SECTION 12: Ecological information

**Ecotoxicity** The product does not contain organically bound halogen.

### 12.1. Toxicity

#### Acute aquatic toxicity

**Acute toxicity - fish** formaldehyde;  
LC<sub>50</sub>, 96 hours: 41 mg/l, Brachydanio rerio (Zebra Fish)

**Acute toxicity - aquatic invertebrates** formaldehyde;  
EC<sub>50</sub>, 24 hours: 42 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** Not known.

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is miscible with water. May spread in water systems.

### 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** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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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.

**Waste class** European Waste Catalogue (EWC) code: 040216 Dyestuffs and pigments containing dangerous substances

### 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.

#### **Transport labels**

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

**EU legislation** Commission Regulation (EC) No 2015/830 of 28 May 2015

**Guidance** Workplace Exposure Limits EH40.  
CHIP for everyone HSG228.  
Approved Classification and Labelling Guide (Sixth edition) L131.  
Safety Data Sheets for Substances and Preparations.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

**General information** AOX Indication : The product does not contain AOX. From a theoretical assessment the product does not contain heavy metal. The product does not contain any substance which is listed in the list of SVHC substances.

**Issued by** Betül KARANTİNALI, Belge No: KDU01.14.03, Tarih: 11.07.2020 - 11.07.2025

**PIGMACOLOR PIGMAFIX MF**

<b>Revision date</b>	30/07/2021
<b>Revision</b>	05
<b>Supersedes date</b>	16/03/2009
<b>SDS number</b>	KY72/MGB 34462
<b>Hazard statements in full</b>	<p>EUH208 Contains FORMALDEHYDE ...%. May produce an allergic reaction. H301 Toxic 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. H331 Toxic if inhaled. H335 May cause respiratory irritation. H351 Suspected of causing cancer.</p>

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