

This MSDS is prepared according to EU 453/2010 regulations.

**Product Name: PG 4010 COLORCHANGE BLUE**

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**1. PRODUCT NAME AND COMPANY INFORMATION**

Chemical Characteristic	Colorchange Pigment Dispersions
Product Description	Pigment dispersion for textile screen printing industry
Company Information	ÖZANADOLU KİMYA SAN. Ve TİC. A.Ş. Mahmutbey Merkez Mah. Karaoğlanoğlu Cd.Servet Sk.No:8 Bağcılar/İstanbul Tel:0 212 446 92 92 Fax:0 212 446 00 99 Mail: <a href="mailto:istanbul@inkuin.com">istanbul@inkuin.com</a>
Emergency Information	0 212 446 92 92

**2. HAZARDS IDENTIFICATION**

This product, is not dependent on classifications in terms of physicochemical, toxicological and ecotoxicologically. Given components at composition section are only informational purposes only.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Compound Name	Weight %	Cas No	Hazard Class	H Phrases	Limit for Classification
Blue Pigment	25-40	-	-	-	-
Diethylene Glycol	5-10	111-46-6	H302	Acute Tok.4	%25
Water	50-70	7732-18-5	-	-	-

For H Phrases text look at section 15.

**4. FIRST-AID MEASURES**

On eye contact	Rinse thoroughly for 15 Minutes and consult a doctor immediately.
On skin contact	Have not important effects .Wash thoroughly with water. If possible use working gloves.
On Inhalation	Have not important effects. After much inhalation go fresh air.
On Swallowing	After swallowing seek medical advice. Show the label and package to doctor.

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**5. FIRE – FIGHTING MEASURES**

Suitable Extinguishing Media	Water mist, foam dry powder, CO2. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	There is no particular unsuitable media. Do not use only water directly
Specific Hazards as a result of fire.	Burning products in case of fire (Carbon dioxide, toxic pyrolysis residues, etc.) Do not inhale.
Precautions against case of fire.	Helmet, Fire-resistant clothing (Arm, leg and waist raound banded, fire-resistant jacket and throusters), gloves (fire protecting, cutting preventive and dielectric), Face protective and Positive pressure Mask covering operator's face totally or in case of being big amount of smoke, clean air inhalator (tube and masked).

**6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions	Please look at item 8. If material is spilled the ground may be slippery.
Environmental Precautions	Do not discharge to the sewage, surface water and soil.
Methods of Cleaning	Close the drains (clogging risk). Use absorbent materials for cleaning up. Sweep up the stained places and dispose according to legal regulations.

**7. HANDLING AND STORAGE**

Handling	<b>Precautions for safe handling:</b> Assure the working place a well ventilated place. Keep closed the cover of goods well. <b>Precautions for Fire and explosion danger:</b> There is no special
Storage	<b>Conditions for safe storage:</b> Keep container tightly closed and dry; store in a cool place at 5°C- 25°C. <b>Suitable Packaging:</b> Polyethylene <b>Common storage warnings:</b> Not required.



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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection	In unwell ventilated place Respiratory protection in needed in case there is a spray processing application.
Hand protection	Suitable protection gloves
Eye protection	Protection goggles
Skin protection	Working Clothes are suggested.
	Please follow general condition of chemical applications

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form</b>	Liquid
<b>Colour</b>	Ecru in dark, blue under the sunlight
<b>Odour</b>	Characteristic
<b>Melting Point</b>	Not Applied
<b>Boiling Point</b>	Not Applied
<b>Flashing Point</b>	Not Applied
<b>Explosion Danger</b>	Not Explosive
<b>Steam pressure</b>	Not Applied
<b>Self Flammability</b>	Product is not Self-Flammable
<b>Solubility with Water</b>	Soluable with Water
<b>Density</b>	0.9-1.1
<b>Difference factor</b>	Not Applied

### 10. STABILITY AND REACTIVITY

The product is stable and no hazardous reaction will occur in normal condition. In decomposition and fire hazardous vapour may occur.



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**11. TOXICOLOGICAL INFORMATION**

It is not seen any bad effects to human health after exposure. We suggest working in suitable and well ventilated working places. Preparat, especially for sensitive individuals, by inhalation / or introsusception by skin /or eye contact and /or by swallowing it could cause some mild effects on health.

Acute Data :  
Analojic data, briefly;  
LD50>2000 mg/kg rat.

**Toxicologic extra information:**

General European Community Regulation on Classification for product preparation is not subject to classification according to the latest version of the calculation method, based on the experience we gained and the data received from our suppliers; If used according to the specifications and disposal of this product is not harmful.

**12. ECOLOGICAL INFORMATION**

Biodegradable:  
Product according to OECD criterias, because of its nature is Biodegradable. In biological treatment plant elemination can be done with foliculation, defecation and activated clay adsorbtion.  
Ecotoxicity Effects:  
Water Toxicity:(OECD 202,section1,DIN38412,section11,DEV L11)  
Dafnia Toxicity Ec50>1000 mg/l (Dapnia manga,48 hours)

**13. DISPOSAL CONSIDERATIONS**

Disposal, in accordance with national and local regulations should be done or delivered to a company with authorized waste management.

**Contaminated Packaging**

Contaminated packaging, recycling in accordance with national laws relating to waste management and should be sent or to be destroyed..



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#### 14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations (ADR, RID, IMDG ,ICAO/IATA )

#### 15. REGULATORY INFORMATION

Hazard Statements; H302: Harmful if swallowed  
H315: Causes skin irritation  
H317: May cause an allergic skin reaction  
H318: Causes serious eye damage  
H400: Very toxic to aquatic life

Precaution Suggestions; P264: Wash thoroughly after handling  
P270: Do not eat, drink or smoke when using this product.

#### 16. OTHER INFORMATION

##### GENERAL RESOURCES

- 1- 1999/45/AT
- 2- 67/548/AET
- 3- Regulation (EC) 1907/2006 (REACH)
- 4- The Merck Index.Ed.10
- 5- Handling Chemical Safety
- 6- Raw material's MSDS

PS: This MSDS has been prepared in the light of the data which we get from our current updated information and our suppliers. The purpose of this Safety Data Sheet is to describe the products in terms of safe handling, use, processing, storage, transportation, disposal and release. This MSDS does not imply a warranty concerning composition, properties or performance. Also it does not replace the legal validity of a contract.