

## SAFETY DATA SHEET

The classification, labelling and packaging of substances and mixtures of T.C. Republic of Turkey Ministry of Environment and Urbanisation (R.G. 13.12.2014-29204)



Substance/Mixture name:SP14  
Compiling date: 18.03.2020  
Revision Date:-  
Revision number:1

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### 1. IDENTIFICATION OF THE SUBSTANCES/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. IDENTIFICATION OF SUBSTANCE/MIXTURE

**Product Name:** SP14

#### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCES OR MIXTURE AND USES ADVISED AGAINST

Water based printing base used to give soft touching white colour effect by discharging the dischargeable fabric in textile printing.

#### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**GÖKTUĞ İNK KİMYEVİ MADDELER LİMİTED ŞİRKETİ**  
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**E-mail: [info@goktugink.com](mailto:info@goktugink.com)**

#### 1.4. EMERGENCY TELEPHONE NUMBER

**Telephone:** +90 212 279 74 07 / 08 **National Poison Center:** 114

### 2. HAZARDS IDENTIFICATION

#### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**Physical Hazards:** The product is not classified as harmful.

**Health Hazards:** May cause sensitisation by skin contact. May cause an allergic skin reaction. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If the victim don't feel good, immediately call the National poison control center (phone: 114) Seek medical attention immediately. Use for protection, suitable protective clothing, gloves and eye/face Keep out of the reach of children and under lock and key.

**Environment Hazards:** Do not empty into drains. Dispose of contents/container in accordance with national regulation by licenced firms

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## 2.2. LABEL ELEMENTS

### Hazard Statements :

**H302** Harmful if swallowed.

**H315** Causes skin irritation.

**H317** May cause an allergic skin reaction.

**H318** Causes serious eye damage.

**H335** May cause respiratory irritation.

### Precautionary Statements :

**P101** : If medical advice is needed, have product container or label at hand.

**P280** : Wear protective gloves/protective clothing/eye protection/face protection.

**P333 + P313** : If skin irritation or a rash occurs: Get medical advice/attention..

**P403 + P233** : Store in a well ventilated place. Keep container tightly closed.

**P501** : Dispose of contents/container in accordance with national regulation by licenced firms.

**Precautionary statements:** EUH210 safety data sheet can be provided on request.

**Piktogram:** GHS07



## 2.3. OTHER HAZARDS

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. SUBSTANCES

Component	Cas No	EC No	Concentration %	Classification
Polymer dispersion, special mix	9003-04-7	208-750-2	40-60 %	Skin sens. 1 H317
Titanium dioxide	13463-67-7	236-675-5	% 15-20	-

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Ethylene glycol	107-21-1	203-473-3	% 1-3	Acut Tox. 4 oral; H302 BHOT Repeated Exp. Oral 2; kidney H373
Water	7732-18-5	231-791-2	% 17-46	-

### 3.2. MIXTURES

## 4. FIRST AID MEASURE

### 4.1. DESCRIPTION OF FIRST AID MEASURES

**Inhalation:** Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious. If the victim don't feel good, immediately call the National poison control center (phone: 114) Seek medical attention immediately.

**Contact with Eyes:** Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

**Contact with Skin:** Immediately flush skin with plenty of water while removing contaminated clothing. Wash contaminated clothing before reuse. If redness or irritation occurs, seek medical attention.

**Ingestion:** Harmful if swallowed. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, to open the airway of victim's and for prevent aspire, lean to the left side if possible (head down). Immediately consult a doctor with the product label (if possible)

### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Vomitting and skin color change to red

### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Show SDS to the doctor and obey the treatment.

## 5. FIREFIGHTING MEASURES

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### 5.1. EXTINGUISHING MEDIA

Dry powder, carbon dioxide, alcohol-resistant foam. Avoid contact with the water. In case of needed, follow the Emergency Plan and take quarantine to environment, remove the staff around.

### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Carbon oxides, nitrogen oxide

### 5.3. ADVICE FOR FIREFIGHTERS

Use gas mask for respiration, leakproof chemical goggles against the splash, fireproof gloves, boots and flame protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective equipment. Immediately ventilate the contaminated area. Unprotected persons must move away from the contaminated area.

### 6.2. ENVIRONMENTAL PRECAUTIONS

If there is spillage, use general purpose absorbent/chemical kit for absorb the contaminated area. Do not empty into drains, prevent to contaminated other chemicals. Wash the contaminated area. Get informed the Authorities immediately.

### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

If possible, use chemical kit which is suitable to ingredient of this product. In case there is not a general-purpose absorbent / kit sure to absorb the chemical. Do not clean with water.

### 6.4. REFERENCE TO OTHER SECTIONS

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## 7. HANDLING AND STORAGE

### 7.1. PRECAUTIONS FOR SAFE HANDLING

Avoid spills. Don't Inhalation, avoid contact with eye and skin.

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

This material and its container must be disposed of as hazardous waste . Keep container in a dry, cool well- ventilated place with original packaging . Take precautionary measures against static discharges. No smoking. It must be stored in accordance with the Legal laws. Attention should be paid to the warnings given on the label.

### 7.3. SPECIFIC END USE(S)

Textile industry.After use, especially when it comes into contact with the eyes and skin - your skin with plenty of water/wash your hands. (please see section 4) In case of needed, follow the Emergency Plan and take quarantine to environment, remove the staff around. No smoking.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. CONTROL PARAMETERS

**Titanium dioxide:** TWA (8 hours) : 15 mg/ m<sup>3</sup>

**Ethylene glycol:** TWA (8 hours) : 20 ppm 52 mg/m<sup>3</sup>; STEL (15 min.) : 40 ppm 104 mg/m<sup>3</sup>

General hygiene and safety rules should be applied. The working environment must be eye shower (wash) station. Wash hands after working and end of day.

### 8.2. EXPOSURE CONTROLS

Well general ventilation should be used. Accumulated chemical level in the air to reduce the acceptable limit, use the exhaust ventilation and/or use other engineering controls.

General hygiene and safety rules should be applied. The working environment must be eye shower (wash) station.

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### Personal Protection Equipments:



**Protection respiratory system:** Gas masks with suitable filters to the chemical.

**Protection Eye, face:** Protective goggles against the risk of splash

**Protection Skin, Body:** May cause skin irritation and burns; use resistance gloves

**Protection Hands:** Use Fire and chemical resistant clothes

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

**Visual Appearance:** White paste

**Odour:** Characteristic

**pH :** 8.0 - 8.5

**Viscosity :** [(77°F/25°C) sp:7, rpm:20 Brookfield] : 30.000 – 35.000 [mPa.s]

**Density :** 1,27 g/cm<sup>3</sup> (25°C / 77°F)

**Boiling Point /Range :** >100°C (212°F) @(water)

**Solubility :** Soluble in water

### 9.2. OTHER INFORMATION

## 10. STABILITY AND REACTIVITY

### 10.1. REACTIVITY

Stable under normal conditions, it is not reactive.

### 10.2. CHEMICAL STABILITY

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Stable under normal conditions, it is not reactive. In case of overheating, can release chemical gases.

### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Keep away from direct sunlight and keep it away from chemicals that are aggressive chemicals in the content. In case of overheating, can release chemical gases.

### 10.4. CONDITIONS TO AVOID

Keep away from direct sunlight and keep it away from chemicals that are aggressive chemicals in the content. In case of overheating, can release chemical gases.

### 10.5. INCOMPATIBLE MATERIALS

Keep away from direct sunlight and keep it away from chemicals that are aggressive chemicals in the content.

### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

In case of overheating, can release chemical gases.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

#### Acute toxicity :

#### Ethylene glycol :

Toxicity (fish)

LC50 - Oncorhynchus mykiss (rainbow trout) - 18.500 mg/l - 96 h

LC50 - Leuciscus idus (gold Orpheus) - > 10.000 mg/l - 48 h NOEC

Pimephales promelas (Carp puppy) - 32.000 mg/l - 7 d NOEC

Pimephales promelas (Carp puppy) - 39.140 mg/l - 96 h

Toxicity to Daphnia and other aquatic invertebrates

EC50 - Daphnia magna (sweet bay) - 74.000 mg/l - 24 h NOEC - Daphnia (water flea) - 24.000 mg/l - 48 h

LC50 - Daphnia magna (sweet bay) - 41.000 mg/l - 48 h

#### Titanium dioxide:

LD50 Oral - rat - > 10.000 mg/kg

LD50 Dermal - rabbit - > 10.000 mg/kg

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Skin corrosion/irritation dermal - Human  
Result: There is small amount of skin irritation - 3 h  
Serious damage/eye irritation Eyes - rabbit  
Result: There is no eye irritation

### **Other Toxicology Information:**

**Inhalation:** May cause irritation and coughing

**Contact with Skin:** May cause irritation and cracking of the skin at long term effect

**Contact with Eyes:** May cause irritation therefore use suitable protective clothing, gloves, goggles, mask

**Ingestion:** In case of ingestion may cause harmful.

## **12. ECOLOGICAL INFORMATION**

### **12.1. TOXICITY**

Acut toxicity - fish : LC50, 96 hours: >125 OECD Test No:203 mg/l, fish

Acut toxicity - aquatic invertebrates : EC50, 48 hours: > 1000 DIN 3842 Part L8 mg/l, Dafnia

Acut toxicity - aquatic plants : IC50, 72 hours: >1000 OECD Test No:209 mg/l, Algae

Biodegradable : >70% , 28 day OECD 303 A

#### **Titanium dioxide:**

Toxicity, Daphnia and other aquatic invertebrates

EC50 - Daphnia magna - > 1.000 mg/l - 48 h EC0

Daphnia magna - 1.000 mg/l - 48 h

### **12.2. PERSISTENCE AND DEGRADABILITY**

Biodegradable : >70% , 28 day OECD 303 A

### **12.3. BIOACCUMULATIVE POTENTIAL**

This product does not make bioaccumulative.

### **12.4. MOBILITY IN SOIL**

The product can be mixed with water. Can spread in the aquatic environment.

### **12.5. RESULTS OF PBT AND VPVB ASSESSMENT**

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

### **12.6. OTHER ADVERSE EFFECTS**



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Other adverse effects are unknown.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. WASTE TREATMENT METHODS

**Disposal/destruction** : Waste of this product is sent to the recycling companies which are licenced from T.C. Republic of Turkey Ministry of Environment and Urbanisation with National Waste Form.

**Waste Classification** : European waste catalogue (ewc) code: 08 01 11 waste paint and varnish containing organic solvents or other hazardous substances

### 14. TRANSPORT INFORMATION

#### 14.1. UN NUMBER

UN code: N/A, Classification: N/A

#### 14.2. UN PROPER SHIPPING NAME

**IMDG/IMO**: UN code: N/A, Classification: N/A

#### 14.3. TRANSPORT HAZARD CLASS (ES)

UN code: N/A, Classification: N/A

#### 14.4. PACKING GROUP

UN code: N/A, Classification: N/A

#### 14.5. ENVIRONMENTAL HAZARDS

Environmentally hazardous/Marine pollutant.

#### 14.6. SPECIAL PRECAUTIONS FOR USER

The packaging must be closed tightly. keep it away from chemicals that are aggressive chemicals in the content.

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### 14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Bulk carriage doesn't apply according to MARPOL 73/78, Annex II and IBC code.

## 15. REGULATORY INFORMATION

### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

**National Legislations:** Republic of Turkey Ministry of Environment and Urbanisation, 11 December 2013 on

classification, labelling and packaging of substances and mixtures legislation

**European Directive: Regulation (EC) No 1272/2008**, OJ L 353 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures - amending and repealing Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No 1907/2006.

**Guide:**

UNECE (United Nations Economic Commission for Europe) :

[https://www.unece.org/fileadmin/DAM/trans/danger/publi/ghs/ghs\\_rev02/English/08e\\_annex4.pdf](https://www.unece.org/fileadmin/DAM/trans/danger/publi/ghs/ghs_rev02/English/08e_annex4.pdf)

ECHA (European Chemical Agency) :

<http://echa.europa.eu/web/guest/regulations/clp>

## 16. OTHER INFORMATION.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Information of this safety data sheet is taken from UNECE (United Nations Economic Commission for Europe) and only for informational. The warnings are given on this safety data sheet is for use outside the manufacturer/distributor to direct/indirect can not be held responsible for any loss or damage.

**Prepared by** Chemical Evaluation Expert Yusuf ÇELİK (KDU01.09.02)