

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)	 GÖKTUĞ İNK Product For Screen Printing Inks
Substance/Mixture name:P1 Compiling date: 18.03.2020 Revision Date:- Revision number:1	Sayfa 1 / 11

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

1.1. IDENTIFICATION OF SUBSTANCE/MIXTURE

Product Name: P1

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

Phtalate free base for industrial applications in textile printing

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

GÖKTUĞ İNK KİMYEVİ MADDELER LİMİTED ŞİRKETİ

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1.4. EMERGENCY TELEPHONE NUMBER

Telephone: +90 212 279 74 07 / 08 National Posion 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 ccordance with national regulation by licenced firms

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2.2. LABEL ELEMENTS

Hazard Statements:

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

P301+P312 IF SWALLOWED: call a POISON CENTER (phone: 114) or doctor/physician IF you feel unwell

P302+P352 IF ON SKIN: wash with plenty of soap and water

P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention

P363 Wash contaminated clothing before reuse.

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
PolyVinylChloride	9002-86-2	208-750-2	30-40 %	Not a hazardous substance or mixture

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				according to Regulation (EC) No. 1272/2008
Plasticizers, special mix	33703-08-1	251-646-7	% 5-10	No need for classification according to GHS criteria for this product
Titanium dioxide	13463-67-7	236-675-5	% 15-20	-

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

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Show SDS to the doctor and obey the treatment.

5. FIREFIGHTING MEASURES

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

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is not a general-purpose absorbent / kit sure to absorb the chemical. Do not clean with water.

6.4. REFERENCE TO OTHER SECTIONS

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/ m³

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.

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



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: N/A

Boiling Point: 212°F(100°C) (water)

Viscosity: [Brookfield] : 1.900.000-2.000.000 [mPa.s]

Density: 1,5 g/cm³ (77 °F/25°C)

Solubility: N/A

9.2. OTHER INFORMATION

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

Stable under normal conditions, it is not reactive.

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10.2. CHEMICAL STABILITY

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

Plasticizers, special mix:

LD50 Oral - rat – male and female - > 5.000 mg/kg

LD50 Dermal - Guinea pig - > 19.680 mg/kg

LD50 Intraperitoneal - rat - male - > 3.200 mg/kg

Skin corrosion/irritation

Skin- rabbit

Result: There is no skin irritation - 4 H (OECD test guideline 404)

Serious eye damage/irritation

Eyes - rabbit

Result: There is small amount of eye irritation (OECD test guideline 405)

Germ cell mutagenite

S. typhimurium

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Result: negative

Suspected of causing cancer

IARC: 0.1% or more of this product in any content by IARC probable,

Possible as a carcinogen has not been identified or approved.

Reproductive toxicity

Appropriate data are not available

Specific target organ toxicity-single exposure

Appropriate data are not available

Specific target organ toxicity - repeated exposure

Appropriate data are not available

Aspiration hazard

Appropriate data are not available

Titanium dioxide:

LD50 Oral - rat - > 10.000 mg/kg

LD50 Dermal - rabbit - > 10.000 mg/kg

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

Plastifian, special mix :

Toxicity static test on fish LC50 - Pimephales promelas (Carp Cub) - > 984 mg/l - 96 H (OECD test guideline 203)

Toxicity to Daphnia and other aquatic invertebrates Immobilization

EC50 - Daphnia magna (sweet bay) - 0,0014 mg/l - 48 h (OECD Test Guide 202)

Toxicity on Algae

Growth suppression (inhibition)

EC50 - Selenastrum capricornutum (green algae) - > 0,86 mg/l - 72 h (OECD Test Guide201)

Toxicity on bacteria, Prevention of respiratory

EC50 - Sludge treatment - > 10 mg/L - 3 h (OECD Test Guideline 209)

Titanium dioxide :

Toxicity on the fish LC50 - other fish - > 1.000 mg/l - 96 h

Toxicity to Daphnia and other aquatic invertebrates

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EC50 - Daphnia magna (sweet bay) - > 1.000 mg/l - 48 h EC0 - Daphnia magna (sweet bay) - 1.000 mg/l - 48 h

12.2. PERSISTENCE AND DEGRADABILITY

Plastifian, special mix:

Oxygen biodegradation (Aerobic) - Exposure time: 28 d Result: 73,05 % - readily biodegradable. (OECD Test Guideline 301 B)

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

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

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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.

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

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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

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.

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