



This MSDS is prepared according to (EU) 2020/878 regulations.

Product Name: DP 4020 BARRIER

Page 1/5

1. PRODUCT NAME AND COMPANY INFORMATION

Chemical Characteristic	Synthetic dispersion, thickener and additive materials including compound
Product Description	Auxiliary Agent for the 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: istanbul@inkuin.com
Emergency Information	0 212 446 92 92

2. HAZARDS IDENTIFICATION**2.1. Classification of the substance and mixture**

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

2.2. Label Elements

This product is not dependent on labelling according to the EC 1907/2006 regulation.

2.3. Other Hazards

No data

3. COMPOSITION/INFORMATION ON INGREDIENTS

Compound Name	Weight %	Cas No	Hazard Class	H Phrases	Limit for Classification
Water based Polyurethane Dispersion	40-45	9017-09-8	-	-	-
Diethylene Glycol	10-15	111-46-6	Acute Tox. 4	H302	%25
Water	15-25	7732-18-5	-	-	-
Black Pigment	5-10	1333-86-4	-	-	-

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.



inkuin
SCREEN PRINTING CHEMICALS

SAFETY DATA SHEET

Form No :60
Date :10/02/2016
Revision :04
Revision date :15/01/2026

This MSDS is prepared according to (EU) 2020/878 regulations.

Product Name: DP 4020 BARRIER

Page 2/5

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.



This MSDS is prepared according to (EU) 2020/878 regulations.

Product Name: DP 4020 BARRIER

Page 3/5

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



This MSDS is prepared according to (EU) 2020/878 regulations.

Product Name: DP 4020 BARRIER

Page 4/5

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection	In unwell ventilated place Respiratory protection is 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

Physical Form	Viscous paste
Colour	Grey
Odour	Weak Odour
Melting Point	Not Applied
Boiling Point	Not Applied
Flashing Point	Not Applied
Explosion Danger	Not Explosive
Steam pressure	Not Applied
Self Flammability	Product is not Self-Flammable
Density	1.2 gr/ml
Solubility with Water	Soluble with Water
Ph	8,2 ±0,5
Viscosity	Sp:7 rpm:20 50.000-100.000 mPas (Brookfield DV II +)
Difference factor	Not Applied

10. STABILITY AND REACTIVITY

10.1 Reactivity: The product is non-reactive under normal conditions of use, storage and transportation.

10.2 Chemical stability: The product is stable under normal conditions of use.

10.3 Possibility of Hazardous Reactions: Not polymerize or make reaction because of its inert composition. No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid: None under recommended storage and handling conditions. Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible Materials: No special requirements are expected under normal use conditions.

10.6 Hazardous Decomposition Products: No hazardous decomposition products are formed if used as described. Fire creates: Carbon dioxide (CO₂). Carbon monoxide (CO).



This MSDS is prepared according to (EU) 2020/878 regulations.

Product Name: DP 4020 BARRIER

Page 5/5

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 intorsusception 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. (Acute toxicity estimations) Information given is based on product data, a knowledge of the components and the toxicology of similar products.

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

12.1 Toxicity

Dafnia Toxicity Ec50>1000 mg/l (Daphnia magna,48 hours) (Acute toxicity estimations) Information given is based on a knowledge of the components and the ecotoxicology of similar products.

12.2 Persistence and Degradability Biodegradability; >70% by method OECD 301D

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.

12.3 Bioaccumulative potential

The product does not bioaccumulate.

12.4 Mobility in soil

The product is miscible with water and may spread in water systems.

12.5 Results of PBT vPvB assessment

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

12.6 Other adverse effects

Information not available

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..



This MSDS is prepared according to (EU) 2020/878 regulations.

Product Name: DP 4020 BARRIER

Page 6/5

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Hazard Statements; H302: Harmful if swallowed
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.