



SAFETY DATA SHEET

DYEFIX 320

(R.G.13/12/2014- 29204) on the Safety Data Sheets for Hazardous Substances and Mixtures.

Preparation Date: 20.04.2018

Regulation No:02

SDS No : GBF01.12.08 Form No : K116

Name/ Surname of authority : MERVE ATMACA

1. Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the substance / mixture

Trade Name : DYEFIX 320
Area of use : Direct dye fixer.

Identified uses and non-recommended uses of Substance or Mixture

Attention: Avoid contact with food.

1.3 Details of the supplier of the safety datasheet Company

Supplier Company : Dyteks Boya ve Kimya San. Ve Tic. Ltd. Şti.
Telephone : +90(212) 438 75 18
Fax : +90(212) 438 75 19
Address : İkitelli OSB. Çevre Sanayi Sitesi 10.Blok No : 36 İkitelli / İstanbul.
E-mail : muhasebe@dyteks.com.tr

1.4 Emergency telephone number

National Poison Information Center Telephone: 114
For company Emergency telephone: +90 532 236 94 44

2. Hazards identification

2.1 Classification of the substance or mixture

Have not been classified as harmful according to " Regulation on Safety Data Sheets for Hazardous Substances and Mixtures " (R.G.13 / 12 / 2014-29204).

2.2 Label Elements

Labeling (28848 T.C)



Sign of hazard

GHS07

Warning word

Attention

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 İKİTELLİ D. : 323 049 0724



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Hazard statements

H302 Harmful if swallowed.

Precautionary statements

P264

P270

P301+P312

P330

P501

Precaution – Intervention – Disposal

Wash thoroughly after handling.

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

IF WHEN INGESTED: If you feel unwell, Call 114 NATIONAL POISON CENTER or doctor / physician at the NATIONAL POISON ADVISORY CENTER.

Shake your mouth.

Dispose of contents / container in accordance with international regulations.

Ingredients ; Amino functional condensation product.

2.3 Other Hazards

None.

3. Composition/information on ingredients

3.1. Description : Mixture.



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3.2 Contained Substances :

İHTİVA ETTİĞİ KİMYASAL MALZEME İSİMLERİ	EINECS NO	CAS NO	% Konsantrasyon	SEA
				Sınıfı, H ifadeleri*
Amino functional condensation product.	--	--	--	--

* H Full disclosure of the phrases is given in Chapter 16.

4. First aid measures

4.1. Description of first aid measures

IN CASE OF EYES CONTACT:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

IN CASE OF SKIN CONTACT:

Wash with plenty of water and soap.

IN CASE OF INHALATION:

Remove casualty to fresh air and keep warm and at rest.

IN CASE OF SWALLOWED:

Get out into fresh air. In case of difficulty breathing, consult a doctor.

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4.2 Most important symptoms and effects, both acute and delayed

None.

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

No special treatment is prescribed. Treat according to symptoms. If swallowing and breathing has occurred in excess, immediately contact the poisoning specialist.

5.Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use dry chemical substances (DCP: Dry Chemicals Powder), water mist and foam, carbon dioxide (CO₂) to extinguish the fire.

Extinguishing media which must not be used for safety reasons: None in particular.

5.2 Special hazards arising from the substance or mixture

Hazardous Combustion Products: In case of combustion, there are carbon dioxide and nitrogen oxides.

5.3 Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.


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5.4. Special Precautions

Not suitable.

6.Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

WARNING METHODS

Avoid contact with skin and eyes. Avoid breathing. For personal protection see chapter 8.

PROTECTIVE MEASURES

For Fire fighting information see Chapter 5. See the section on "Identification of Danger" for information on Danger. See Chapter 4 for suggestions on First Aid.It is recommended to wear chemical resistant work gloves when splashing or contact with eyes may occur.

6.2 Environmental precautions

Large Spill: Pull a set away from the spill. Keep water channels, sewers, basements and floors away from obstacles. Prevent spread to the environment.

6.3 Methods and material for containment and cleaningup

ACTIVE / SCULPTURE MANAGEMENT

Soil Disposal: Dispose of the mixed material according to Article 13. Spill immediately with an inert material (sand, earth) Remove with an inert absorbent. Wash the residue with plenty of water.Do not walk over the spilled material. Avoid water channels, sewers, basements or entrances.

Spillage: If it does not carry a risk, we will leak.

6.4 References to Other Divisions

Personal Protective Equipment in Chapter 8, Fire Prevention Measures in Chapter 5.

First Aid Measures in Chapter 4.

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7. Handling and storage

7.1 Precautions for Safe Handling

Try not to pour, avoid contact with skin and eyes. Take Personal Protective Measures as specified in Article 8.

7.2 Conditions for safe storage, including any incompatibilities

Store tightly in its original package and in a dry, cool place. Store in original cabinet. The covers of the containers must be completely closed. Storage temperature 5 – 40 C Keep in cool place in closed package. Prevent freezing. Stability of the material may be affected. Mix thoroughly before use.

7.3 Specific end use(s)

None.

8. Exposure controls/personal protection

8.1 Control Parameters

Exposure Limit Values

There are no actual occupational exposure limit values for the product components.

Note: Information on the recommended monitoring procedures may be obtained from the relevant institution (s), such as the institute (s):

Ministry of Labor and Social Security General Directorate of Occupational Health and Safety - ISGÜM

8.2 Exposure controls



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8.2.1 Personal Protective Equipment

As defined below, information on the selection of protective equipment which may be used with this substance is for the intended normal use conditions.

Protection of the respiratory system: Avoid breathing product. Half face mask or full face mask can be used. In all cases where a breathing apparatus must be used at the workplace, the Respiratory Protection Program must be followed to comply with OSHA 1910.134 and ANSI Z88.2 balanced practices. Also; Half-face filter respirator; Type A filter material, EN 136, 140 and 405 respiratory masks from the European Standards Committee (CEN) standards; It gives recommendations on EN 149 and 143 filters.

Protection of hands: All specific information regarding the use of gloves is based on published literature and glove manufacturer data. Depending on the specific use conditions, glove suitability and the permeability time differs. For glove selection and permeability time appropriate to the conditions of use, contact the manufacturer of gloves to inform them. Examine gloves and replace worn or damaged gloves with new ones. The use of chemical resistant gloves is recommended.

Eye Protection: Use safety glasses with side shields.

Skin and Body Protection: Wear clothing that will prevent any contact with skin.

Special Hygiene Precautions: Always make sure that appropriate personal hygiene measures are taken, such as after handling and before washing, drinking, drinking and / or smoking. Wash work clothing and protective equipment regularly to remove contaminants. Carry out hygiene measures that must be observed at work.

ENVIRONMENTAL CONTROLS

Follow the necessary regulations that limit the discharge to the ground, air and water. Protect the environment by using the necessary control mechanisms to prevent or minimize emissions.



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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Color	Colorless
Koku	Odorless
pH (20°C)	5 ± 0,5
Explosion Point	N/A.
Explosion Limit	N/A.
Density (20°C)	1,2 g/cm ³
Viscosity	N/A.
Solubility	Mixed with water.
Melting and Freezing Point	N/A.
Boiling Point	> 100°C

9.2 Other Informations None

10. Stability and reactivity

10.1 Reactivity

It does not react under normal conditions.



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10.2. Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Under normal conditions do not give harmful reaction. However; Avoid freezing, high temperature and direct sunlight.

10.4 Conditions to Avoid

Keep freezing, high temperature and direct sunlight.

10.5 Items to Avoid

Keep freezing, high temperature and direct sunlight.

10.6 Hazardous products

There is no data on decay.

11. Toxicological information

11.1 Information on Toxic Effects

ACUTE TOXICITY

Structurally similar substances are based on test data.

Acute oral toxicity:	LD50 >2000 mg/kg (Rat)
Acute dermal toxicity:	LD50 > 2000 mg/kg (Rat)
Inhalation (Tested in mice):	There is no danger to be considered.
Skin irritation (Tested in rabbits):	It does not itch.
Eye irritation (Tested in rabbits):	No Relationship



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Carcinogenicity:	No relationship.
Reproductive Toxicity:	No relationship.
Virtual Target Organ Toxicity-Single Exposure:	No relationship.
Virtual Target Organ Toxicity- Repeated Exposure:	No relationship.
CHRONIC / OTHER EFFECTS:	None.

12. Ecological information

12.1. Toxicity / Ecotoxicity

The information given is based on the knowledge of the components and the ecotoxicology of similar products. Opposite if not specified, is representative of the product as a whole, not the individual component (s), rather than the given data.

Estimated biological elimination: 90-100% (Aerobic Method)

Fish toxicity (rainbow trout analytes): LC50:> 500 mg /l (OECD 203)

Bacterial Toxicity: EC50 > 700 mg/l (OECD 202)
IC50 > 200 mg/l (OECD 201)

12.2 Persistence and degradability

Chemical oxygen mobility(COD) : 950 mg/gr

Additional ecological information:

AOX: This product contains no organic moving halogen.

Copper: Does not contain.

12.3 Potential for bioaccumulation

None.

12.4 Mobility in Soil

None.

12.5 Results of PBT and PvB evaluation

The product is not classified as PBT or vPvB.



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12.6 Other adverse effects

None.

13. Disposal considerations

13.1 Waste Handling Methods and Disposal Methods

Waste generation should be avoided or, if possible, reduced to the minimum. If empty containers or lines can contain a small amount of residual products. Containers are emptied safely if necessary. In the case of production or use of hazardous substances in excess, it is disposed of by licensed waste disposers.

Disposal of this product and by-products must always be in accordance with environmental protection and waste disposal regulations. Do not crush or burn containers if they exist. Empty pressure tanks should be returned to the supplier. Hazardous Wastes Hazardous wastes should be treated as hazardous waste when recovery is not possible.

- Do not pour into the sewer.
- Dispose according to the National Legislation.
- Dispose of the waste packaging in accordance with National Legislation.

14. Transport information

OVERLAND (ADR / RID): No special transport requirements.

MARINE WATER WAYS (ADNR / ADN): No special transport requirements are required.

SEA (IMDG): No special transport requirement is required.

AIR (IATA): No special transport requirements.

14.1 UN Number: N/A

14.2 Proper UN Transport Name: N/A

14.3 Transport Hazard class(es): N/A

14.4 Packing Group: N/A

14.5 Environmental Hazards: Avoid giving away to Environment.



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14.6 Special Precautions for User: Avoid respiratory, skin and eye contact.

14.7 Castings according to Annex II of MARPOL 73/78 and the IBC Code Transport: Not applicable.

15. Regulatory Information

15.1 Matter and Matter Specificity Safety, Health and Environment Legislation

REGULATION ON HEALTH AND SAFETY IN WORKING WITH CHEMICAL COMPOUNDS.

REGULATION ON CONTROL OF LARGE INDUSTRIAL ACCIDENTS.

16. Other Informations

Abbreviations:

CAS - Chemical Theory Service

EC numbers - EINECS (European Inventory of Existing Commercial Chemical Substances),

ELINCS (List of Notified Chemical Substances) or NLP (Residual Non-Polymeric Substance)

LD50 - lethal dose, 50%

LC50 - lethal concentration, 50%

EC50 - effective concentration, 50%

IC50 - inhibitor concentration, 50%

PBT - persistent, bioaccumulative and toxic,

vPvB - very persistent and very bioaccumulative

BCF - bioconcentration factor

COD - chemical oxygen demand

BOD - biochemical oxygen demand

ADR - European Agreement on International Carriage of Dangerous Goods by Road





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RID - Regulations on International Carriage of Dangerous Goods by Rail

IMDG - International Maritime Dangerous Goods Code

IATA - International Air Transport Association

Reference Sources: Regulations

Revision Changes:

1.2 Safety Information Form Supplier Information has been revised.

All statements of harmfulness:

H302 Harmful if swallowed.

All of the precautionary statements:

P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P301+P312 IF WHEN INGESTED: If you feel unwell, Call 114 NATIONAL POISON CENTER or doctor / physician at the NATIONAL POISON ADVISORY CENTER.
 P330 Shake your mouth.
 P501 Dispose of contents / container in accordance with international regulations.



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Name/ Surname of authority : MERVE ATMACA

Preparing SDS

Name-Surname : Merve ATMACA

Address: ISTANBUL

Qualification Certificate Date : 20.01.2018

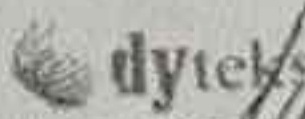
Certificate Number : GBF01.12.08

The information in this SDS is provided by reliable sources. This together with this. No guarantee is made as to the accuracy of the information. Handling, storage or disposal the responsibility may be out of our control or our knowledge. This and other reasons, for handling, storage, use or for damage, loss or expense arising we do not assume responsibility.

This GBF is for this product and should only be used for this product.

If the product is used as a component in another application, the information may not be applicable.

This Safety Data Sheet is provided on the basis of information provided by the manufacturer.

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