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acc. 91/155/EC

1 Identification of Preparation and Company

1.1 Product identification

Product name:COLORTEC E-6 3-Bad Kit Erstentwickler

Article-Nr. : 102034 Internal No.: 44274 -8664 -1

1.2 Identification of Manufacturer

Tetenal-Photowerk GmbH & Co Tetenal Ltd
Schützenwall 31 - 35 Centurion Way, Meridian Industrial Estate
D-22844 Norderstedt Leicester LE3 2WH
Tel.:040-52145-0 0116 263 0306
Fax :040-52145-296 0116 263 0087
Informations are prepared and given by :
Tetenal - Photowerk Abt. Labor Tel. +49 40-52145-0
Emergency telephone: +49 30 19240

2 Composition / Information on Ingredients

Hazardous Ingredients

	CAS-Nr.	Symbol and R-phrases of the pure substance
5-10 % Potassium hydroquinone monosulphonate	21799-87-1	Xi 43-36
5-10 % diethylene glycol	111-46-6	Xn 22
5-10 % Potassium carbonate	584-08-7	Xi 36/37/38

Description Photographic developer for colour reversal materials

3 Hazard Identification

May cause sensitization by skin contact.

4 First Aid Measures

4.1 General Information:

Remove contaminated soaked clothing/shoes immediately and dispose of safely.

4.2 Inhalation :

Remove the casualty into fresh air and keep him calm.

4.3 Skin contact :

In case of contact with skin wash off immediately with plenty of water

4.4 Eye contact :

In case of contact with eyes rinse thoroughly with plenty of water
and seek medical advice

4.5 Ingestion :

Wash out mouth with water and drink plenty of water. Do NOT induce
vomiting, seek medical advice.

4.6 Information for Physician:

5 Fire-fighting Measures

5.1 Suitable Extinguishing Media: water spray jet foam dry powder

5.2 Extinguishing Media not to be used for safety reasons:

5.3 Special Hazards from the Product, its Combustionproducts or Gases:

In fires, hazardous combustion gases are formed: Sulphur dioxide (SO₂)

5.4 Special Protective Equipment Do not inhale explosion and/or combustion gases. Use breathing apparatus.

5.5 Additional Information

Fire residues and contaminated firefighting water must be disposed off in accordance with the local regulations.

Accidental Release Measures

6.1 Personal Precautions: Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2 Environmental Precautions: Do not discharge into the drains/surface waters/groundwater.

6.3 Methodes for Cleaning: Send in suitable containers for recovery or disposal.

6.4 Additional Information

Take up with absorbent material.

7 Handling and Storage

7.1 Safe Handling:

No special measures necessary if used correctly.

7.2 Fire and Explosion Precautions: No special measures necessary

7.3 Storage: Provide floor with bundling.

7.4 Special Storage Information: Do not store together with animal feedstuffs.

7.5 Additional Information: storage temperature: 5-30°C

7.6 Storage Class:

8 Exposure Control and Personal Protection

8.1 Engineering Measures:

Exhaust over mixing vessel

8.2 Components with Threshold Limit Values: none

8.3 Additional Information: Do not eat or drink when working.

8.4 Personal Protection:

General Measures: Avoid contact with eyes and skin

Respiratory Protection: Short term: filter apparatus, Filter P1

Hand Protection : chemical resistant gloves made of nitrile rubber, thickness >0,38mm breakthrough time >480min or neoprene, thickness >0,65mm, >240min

Eye Protection : tightly fitting goggles

Skin Protection : light protective clothing, antistatic

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COLORTEC E-6 3-Bad Kit Erstentwickler

9 Physical and Chemical Properties

Appearance

State:Liquid Colour:light yellow Odour:perceptible

Changes of State:

Blp.: 100 °C Mlt.p.:k.A. °C

Flash point :k.A.

Flammability :

Ignition Temperature :n.a.

Autoflammability :

Oxidising Properties :k.A

Explosion Limits lower :n.a. Vol% upper:n.a. Vol%

Vapour Pressure (20°C) :k.A. mbar

Relative Density :1.28

Solubility in Water (20°C):soluble g/l

pH-Value of Product (20°C):9.9

Viscosity (20°C) :k.A.

Additional Information :-

10 Stability and Reactivity

Conditions to Avoid :Reactions with strong acids.

Materials to Avoid :Reactions with oxidising agents.

Hazardous Decomposition Products:Hazardous decomposition products:

Sulphur dioxide

Additional Information :

11 Toxicological Information

LD 50:>2000mg/kg rat-oral

Sensitization through skin contact possible. The product has not been tested. The information is derived from the properties of the individual components.

12 Ecological Information

Do not discharge product unmonitored into the environment.

13 Disposal Considerations

Comment :Product must be disposed in accordance with the lawful and the local regulations.

Waste Catalogue No.(german):090101

Contaminated Packaging :

Cleaning of Packaging :

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COLORTEC E-6 3-Bad Kit Erstentwickler

14 Transport Information

ADR / GGVS :-

Remarks :-

IMDG-Code :-

Remarks :-

IATA / ICAO :-

Remarks :-

No dangerous good for transportation

15 Regulatory Information

Labelling according EC-Regulations

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Symbol :Xi

R-Phrases:43

S-Phrases:2-24-37

Contains:

5-10 % Potassium hydroquinone monosulphonate

Special Labell Information:

National Regulations:

VbF :n.a.

Water hazard class (german):2

Other Regulations :

16 Other informations

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n.a.=not applicable n.i.=no information

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1 Identification of Preparation and Company

1.1 Product identification

Product name:COLORTEC E-6 3-Bad Kit Farbentwickler Part 1

Article-Nr. : 102034 Internal No.: 44275 -8665 -1

1.2 Identification of Manufacturer

Tetenal-Photowerk GmbH & Co Tetenal Ltd
Schützenwall 31 - 35 Centurion Way, Meridian Industrial Estate
D-22844 Norderstedt Leicester LE3 2WH
Tel.:040-52145-0 0116 263 0306
Fax :040-52145-296 0116 263 0087
Informations are prepared and given by :
Tetenal - Photowerk Abt. Labor Tel. +49 40-52145-0
Emergency telephone: +49 30 19240

2 Composition / Information on Ingredients

Hazardous Ingredients

CAS-Nr.	Symbol and R-phrases of the pure substance
0.5-2 % Sodium hydroxide	
1310-73-2 C 35	
1-5 % Potassium sulfite	
10117-38-1	
10-25 % tri Potassium phosphates	
7778-53-2 Xi 36/38	

Description Colour developer preparation for photographic use

3 Hazard Identification

Irritating to eyes and skin.

4 First Aid Measures

4.1 General Information:

Remove contaminated soaked clothing/shoes immediately and dispose of safely.

4.2 Inhalation :

Remove the casualty into fresh air and keep him calm.

4.3 Skin contact :

In case of contact with skin wash off immediately with plenty of water

4.4 Eye contact :

In case of contact with eyes rinse thoroughly with plenty of water
and seek medical advice

4.5 Ingestion :

Wash out mouth with water and drink plenty of water. Do NOT induce
vomiting, seek medical advice.

4.6 Information for Physician:

5 Fire-fighting Measures

5.1 Suitable Extinguishing Media: water spray jet foam dry powder

5.2 Extinguishing Media not to be used for safety reasons:

5.3 Special Hazards from the Product, its Combustionproducts or Gases:

In fires, hazardous combustion gases are formed: Sulphur dioxide (SO₂)

5.4 Special Protective Equipment Do not inhale explosion and/or combustion gases. Use breathing apparatus.

5.5 Additional Information

Fire residues and contaminated firefighting water must be disposed off in accordance with the local regulations.

Accidental Release Measures

6.1 Personal Precautions: Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2 Environmental Precautions: Do not discharge into surface waters/groundwater.

6.3 Methodes for Cleaning: Send in suitable containers for recovery or disposal.

6.4 Additional Information

Take up with absorbent material.

7 Handling and Storage

7.1 Safe Handling:

No special measures necessary if used correctly.

7.2 Fire and Explosion Precautions: No special measures necessary

7.3 Storage: Provide floor with bundling.

7.4 Special Storage Information: Do not store together with animal feedstuffs.

7.5 Additional Information: storage temperature: 5-30°C

7.6 Storage Class:

8 Exposure Control and Personal Protection

8.1 Engineering Measures:

Exhaust over mixing vessel

8.2 Components with Threshold Limit Values: none

8.3 Additional Information: Do not eat or drink when working.

8.4 Personal Protection:

General Measures: Avoid contact with skin

Respiratory Protection: If ventilation insufficient, wear respiratory protection

Hand Protection : chemical resistant gloves made of nitrile rubber, thickness >0,38mm breakthrough time >480min or neoprene, thickness >0,65mm, >240min

Eye Protection : goggles

Skin Protection : Alkali-resistant protective clothing

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COLORTEC E-6 3-Bad Kit Farbentwickler Part 1

9 Physical and Chemical Properties

Appearance

State:Liquid Colour:light yellow Odour:odourless

Changes of State:

Blp.: 100 °C Mlt.p.: 0 °C

Flash point :n.a.

Flammability :

Ignition Temperature :n.a.

Autoflammability :

Oxidising Properties :n.a

Explosion Limits lower :n.a. Vol% upper:n.a. Vol%

Vapour Pressure (20°C) :k.A. mbar

Relative Density :1.15

Solubility in Water (20°C):soluble g/l

pH-Value of Product (20°C):13.6

Viscosity (20°C) :k.A.

Additional Information :k.A

10 Stability and Reactivity

Conditions to Avoid :Reactions with acids.

Materials to Avoid :Reactions with oxidising agents.

Hazardous Decomposition Products:Hazardous decomposition products:

Sulphur dioxide

Additional Information :

11 Toxicological Information

LD 50:>2000mg/kg rat-oral

Frequent persistent contact with the skin can cause skin irritation.

The product has not been tested. The information is derived from the properties of the individual components.

12 Ecological Information

Do not discharge product unmonitored into the environment.

13 Disposal Considerations

Comment :Product must be disposed in accordance with the lawful and the local regulations.

Waste Catalogue No.(german):090101

Contaminated Packaging :

Cleaning of Packaging :

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COLORTEC E-6 3-Bad Kit Farbentwickler Part 1

14 Transport Information

ADR / GGVS :-

Remarks :-

IMDG-Code :-

Remarks :-

IATA / ICAO :-

Remarks :USA

No dangerous good for transportation

15 Regulatory Information

Labelling according EC-Regulations

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Symbol :Xi

R-Phrases:36/38

S-Phrases:2-26

Contains:

0.5-2 % Sodium hydroxide

Special Labell Information:S-phrase 1 (Keep locked up) and 45
(In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)) additionally for packages for public use.

National Regulations:

VbF :n.a.

Water hazard class (german):1

Other Regulations :

16 Other informations

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n.a.=not applicable n.i.=no information

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1 Identification of Preparation and Company

1.1 Product identification

Product name:COLORTEC E-6 3-Bad Kit Farbentwickler Part 2

Article-Nr. : 102034 Internal No.: 44276 -8665 -1

1.2 Identification of Manufacturer

Tetenal-Photowerk GmbH & Co Tetenal Ltd
Schützenwall 31 - 35 Centurion Way, Meridian Industrial Estate
D-22844 Norderstedt Leicester LE3 2WH
Tel.:040-52145-0 0116 263 0306
Fax :040-52145-296 0116 263 0087
Informations are prepared and given by :
Tetenal - Photowerk Abt. Labor Tel. +49 40-52145-0
Emergency telephone: +49 30 19240

2 Composition / Information on Ingredients

Hazardous Ingredients

CAS-Nr.	Symbol and R-phrases of the pure substance
5-10 % p-Phenylenediamine derivate CD-3	
25646-71-3 Xn,N	22-43-50/53

Description Photographic developer for colour reversal materials

3 Hazard Identification

May cause sensitization by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4 First Aid Measures

4.1 General Information:

Remove contaminated soaked clothing/shoes immediately and dispose of safely.

4.2 Inhalation :

Remove the casualty into fresh air and keep him calm.

4.3 Skin contact :

In case of contact with skin wash off immediately with plenty of water

4.4 Eye contact :

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

4.5 Ingestion :

Wash out mouth with water and drink plenty of water. Do NOT induce vomiting, seek medical advice.

4.6 Information for Physician:

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COLORTEC E-6 3-Bad Kit Farbentwickler Part 2

5 Fire-fighting Measures

5.1 Suitable Extinguishing Media: water spray jet foam dry powder

5.2 Extinguishing Media not to be used for safety reasons:

5.3 Special Hazards from the Product, its Combustionproducts or Gases:

In fires, hazardous combustion gases are formed: Sulphur dioxide (SO₂)

5.4 Special Protective Equipment Do not inhale explosion and/or combustion gases. Use breathing apparatus.

5.5 Additional Information

Fire residues and contaminated firefighting water must be disposed off in accordance with the local regulations.

Accidental Release Measures

6.1 Personal Precautions: Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2 Environmental Precautions: Do not discharge into the drains/surface waters/groundwater.

6.3 Methodes for Cleaning: Send in suitable containers for recovery or disposal.

6.4 Additional Information

Take up with absorbent material.

7 Handling and Storage

7.1 Safe Handling:

No special measures necessary if used correctly.

7.2 Fire and Explosion Precautions: No special measures necessary

7.3 Storage: Provide floor with bundling.

7.4 Special Storage Information: Do not store together with animal feedstuffs.

7.5 Additional Information: storage temperature: 5-30°C

7.6 Storage Class:

8 Exposure Control and Personal Protection

8.1 Engineering Measures:

Exhaust over mixing vessel

8.2 Components with Threshold Limit Values: none

8.3 Additional Information: Do not eat or drink when working.

8.4 Personal Protection:

General Measures: Avoid contact with eyes and skin

Respiratory Protection: If ventilation insufficient, wear respiratory protection

Hand Protection : chemical resistant gloves made of nitrile rubber, thickness >0,38mm breakthrough time >480min or neoprene, thickness >0,65mm, >240min

Eye Protection : tightly fitting goggles

Skin Protection : Acid-resistant protective clothing

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COLORTEC E-6 3-Bad Kit Farbentwickler Part 2

9 Physical and Chemical Properties

Appearance

State:Liquid Colour:light yellow Odour:sulphur dioxide odour

Changes of State:

Blp.: 100 °C Mlt.p.: 0 °C

Flash point :n.a.

Flammability :

Ignition Temperature :n.a.

Autoflammability :

Oxidising Properties :n.a

Explosion Limits lower :n.a. Vol% upper:n.a. Vol%

Vapour Pressure (20°C) :k.A. mbar

Relative Density :1.04

Solubility in Water (20°C):soluble g/l

pH-Value of Product (20°C):1-2

Viscosity (20°C) :k.A.

Additional Information :-

10 Stability and Reactivity

Conditions to Avoid :Reactions with acids, alkalies and oxidising agents.

Materials to Avoid :Reactions with light.

Hazardous Decomposition Products:Hazardous decomposition products:

Sulphur dioxide

Additional Information :

11 Toxicological Information

LD 50:>2000mg/kg rat-oral

Sensitization through skin contact possible. The product has not been tested. The information is derived from the properties of the individual components.

12 Ecological Information

Do not discharge product unmonitored into the environment.

13 Disposal Considerations

Comment :Product must be disposed in accordance with the lawful and the local regulations.

Waste Catalogue No.(german):090101

Contaminated Packaging :

Cleaning of Packaging :

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COLORTEC E-6 3-Bad Kit Farbentwickler Part 2

14 Transport Information

ADR / GGVS :9/III M6 UN 3082

Remarks :p-Phenylendiaminderivat-Lösung

IMDG-Code :-

Remarks :-

IATA /ICAO :9/III UN 3082

Remarks :Environm.hazard.sub.,liq.,nos

May be transported up to 3 liters per inner packaging and 12 liters gross per package as small quantity according ADR/G
UN 3082 Environmentally hazardous substance, liquid, n.o.s.

15 Regulatory Information

Labelling according EC-Regulations

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Symbol :Xi,N

R-Phrases:43-51/53

S-Phrases:2-24-37-61

Contains:

5-10 % p-Phenylenediamine derivate CD-3

Special Labell Information:

National Regulations:

VbF :n.a.

Water hazard class (german):3

Other Regulations :

16 Other informations

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n.a.=not applicable n.i.=no information

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1 Identification of Preparation and Company

1.1 Product identification

Product name:COLORTEC E-6 3-Bad Kit Bleichfixierbad Part 1

Article-Nr. : 102034 Internal No.: 44020 -6722 -1

1.2 Identification of Manufacturer

Tetenal-Photowerk GmbH & Co Tetenal Ltd
Schützenwall 31 - 35 Centurion Way, Meridian Industrial Estate
D-22844 Norderstedt Leicester LE3 2WH
Tel.:040-52145-0 0116 263 0306
Fax :040-52145-296 0116 263 0087
Informations are prepared and given by :
Tetenal - Photowerk Abt. Labor Tel. +49 40-52145-0
Emergency telephone: +49 30 19240

2 Composition / Information on Ingredients

Hazardous Ingredients

CAS-Nr.	Symbol and R-phrases of the pure substance
25-50 %	Ethylenrdiaminetetraacetic acid, ferric ammonium complex
21265-50-9	
<0.5 %	3-Mercapto-1.2.4-triazole
3179-31-5	Xn 22-36

Description Bleachfix preparation for photographic use

3 Hazard Identification

4 First Aid Measures

4.1 General Information:

Remove contaminated soaked clothing/shoes immediately and dispose of safely.

4.2 Inhalation :

Remove the casualty into fresh air and keep him calm.

4.3 Skin contact :

In case of contact with skin wash off immediately with plenty of water

4.4 Eye contact :

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

4.5 Ingestion :

Wash out mouth with water and drink plenty of water. Induce vomiting, seek medical advice.

4.6 Information for Physician:

5 Fire-fighting Measures

5.1 Suitable Extinguishing Media: water spray jet foam dry powder

5.2 Extinguishing Media not to be used for safety reasons:

5.3 Special Hazards from the Product, its Combustionproducts or Gases:

In fires, hazardous combustion gases are formed: Nitrogen oxides (NO_x)

5.4 Special Protective Equipment Do not inhale explosion and/or combustion gases. Use breathing apparatus.

5.5 Additional Information

Fire residues and contaminated firefighting water must be disposed off in accordance with the local regulations.

Accidental Release Measures

6.1 Personal Precautions: Ensure adequate ventilation

6.2 Environmental Precautions: Do not discharge into surface waters/groundwater.

6.3 Methodes for Cleaning: Take up with absorbent material.

6.4 Additional Information

Send in suitable containers for recovery or disposal.

7 Handling and Storage

7.1 Safe Handling:

No special measures necessary if used correctly.

7.2 Fire and Explosion Precautions: The product is not combustible

7.3 Storage: Provide floor with bundling.

7.4 Special Storage Information: Do not store together with food.

7.5 Additional Information: storage temperature: 5-30°C

7.6 Storage Class:

8 Exposure Control and Personal Protection

8.1 Engineering Measures:

Good general ventilation is recommended.

8.2 Components with Threshold Limit Values: Iron-(III)-complex as Fe 1mg/m³ (TWA; ACGIH TLV (1995-96))

8.3 Additional Information: Do not eat or drink when working.

8.4 Personal Protection:

General Measures: Avoid contact with eyes and skin

Respiratory Protection: Good general ventilation is recommended

Hand Protection : chemical resistant gloves made of nitrile rubber, thickness >0,38mm breakthrough time >480min or neoprene, thickness >0,65mm, >240min

Eye Protection : goggles

Skin Protection : light protective clothing

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COLORTEC E-6 3-Bad Kit Bleichfixierbad Part 1

9 Physical and Chemical Properties

Appearance

State:Liquid Colour:dark red Odour:odourless

Changes of State:

Blp.: 100 °C Mlt.p.: 0 °C

Flash point :n.a.

Flammability :

Ignition Temperature :n.a.

Autoflammability :

Oxidising Properties :n.a

Explosion Limits lower :n.a. Vol% upper:n.a. Vol%

Vapour Pressure (20°C) :k.A. mbar

Relative Density :1.24

Solubility in Water (20°C):soluble g/l

pH-Value of Product (20°C):6.8

Viscosity (20°C) :k.A.

Additional Information :

10 Stability and Reactivity

Conditions to Avoid :Evolution of ammonia under influence of alkalies.

Materials to Avoid :Reactions with strong acids.

Hazardous Decomposition Products:Hazardous decomposition products:

Ammonia

Additional Information :

11 Toxicological Information

LD 50:>2000 mg/kg

The product has not been tested. The information is derived from the properties of the individual components.

12 Ecological Information

Do not discharge product unmonitored into the environment.

13 Disposal Considerations

Comment :Product must be disposed in accordance with the lawful and the local regulations.

Waste Catalogue No.(german):090105

Contaminated Packaging :

Cleaning of Packaging :

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COLORTEC E-6 3-Bad Kit Bleichfixierbad Part 1

14 Transport Information

ADR / GGVS :-

Remarks :-

IMDG-Code :-

Remarks :-

IATA / ICAO :-

Remarks :-

No dangerous good for transportation

15 Regulatory Information

Labelling according EC-Regulations

The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

Symbol :-

R-Phrases:-

S-Phrases:allg.Hinweis

Contains:

Special Labell Information:

National Regulations:

VbF :n.a.

Water hazard class (german):2

Other Regulations :

16 Other informations

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n.a.=not applicable n.i.=no information

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1 Identification of Preparation and Company

1.1 Product identification

Product name:COLORTEC E-6 3-Bad Kit Bleichfixierbad Part 2

Article-Nr. : 102034 Internal No.: 44021 -6722 -1

1.2 Identification of Manufacturer

Tetenal-Photowerk GmbH & Co Tetenal Ltd
Schützenwall 31 - 35 Centurion Way, Meridian Industrial Estate
D-22844 Norderstedt Leicester LE3 2WH
Tel.:040-52145-0 0116 263 0306
Fax :040-52145-296 0116 263 0087
Informations are prepared and given by :
Tetenal - Photowerk Abt. Labor Tel. +49 40-52145-0
Emergency telephone: +49 30 19240

2 Composition / Information on Ingredients

Hazardous Ingredients

CAS-Nr.	Symbol and R-phrases of the pure substance
25-50 % Ammonium thiosulfate	
7783-18-8	
1-5 % Sodium disulfite	
7681-57-4 Xn 22-31-41	
1-5 % Acetic acid	
64-19-7 C 10-35	

Description Bleachfix preparation for photographic use

3 Hazard Identification

May cause slight skin irritation.

4 First Aid Measures

4.1 General Information:

Remove contaminated soaked clothing/shoes immediately and dispose of safely.

4.2 Inhalation :

Remove the casualty into fresh air and keep him calm.

4.3 Skin contact :

In case of contact with skin wash off immediately with plenty of water

4.4 Eye contact :

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

4.5 Ingestion :

Wash out mouth with water and drink plenty of water. Induce vomiting, seek medical advice.

4.6 Information for Physician:

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COLORTEC E-6 3-Bad Kit Bleichfixierbad Part 2

5 Fire-fighting Measures

5.1 Suitable Extinguishing Media: water spray jet foam dry powder

5.2 Extinguishing Media not to be used for safety reasons:

5.3 Special Hazards from the Product, its Combustionproducts or Gases:

Ammonia (NH₃) Sulphur dioxide (SO₂)

5.4 Special Protective Equipment Do not inhale explosion and/or combustion gases. Use breathing apparatus.

5.5 Additional Information

Fire residues and contaminated firefighting water must be disposed off in accordance with the local regulations.

Accidental Release Measures

6.1 Personal Precautions: Ensure adequate ventilation

6.2 Environmental Precautions: Do not discharge into surface waters/groundwater.

6.3 Methodes for Cleaning: Take up with absorbent material.

6.4 Additional Information

Send in suitable containers for recovery or disposal.

7 Handling and Storage

7.1 Safe Handling:

No special measures necessary if used correctly.

7.2 Fire and Explosion Precautions: The product is not combustible

7.3 Storage: Provide floor with bundling.

7.4 Special Storage Information: Do not store together with food.

7.5 Additional Information: storage temperature: 5-30°C

7.6 Storage Class:

8 Exposure Control and Personal Protection

8.1 Engineering Measures:

Good general ventilation is recommended.

8.2 Components with Threshold Limit Values: Sodiummetabisulfite: 5mg/m³ (TWA; ACHIH TLV (1995-96)) Acetic acid 10 ppm (MAK, EG 2001)

8.3 Additional Information: Do not eat or drink when working.

8.4 Personal Protection:

General Measures: Avoid contact with eyes and skin

Respiratory Protection: Good general ventilation is recommended

Hand Protection : chemical resistant gloves made of nitrile rubber, thickness >0,38mm breakthrough time >480min or neoprene, thickness >0,65mm, >240min

Eye Protection : goggles

Skin Protection : light protective clothing

SAFETY DATA SHEET

Printed: 04-06-2004 Version from : 08-01-2004 Page 3/4
COLORTEC E-6 3-Bad Kit Bleichfixierbad Part 2

9 Physical and Chemical Properties

Appearance

State:Liquid Colour:light yellow Odour:pungent

Changes of State:

Blp.: 100 °C Mlt.p.: 0 °C

Flash point :n.a.

Flammability :

Ignition Temperature :n.a.

Autoflammability :

Oxidising Properties :n.a

Explosion Limits lower :n.a. Vol% upper: Vol%

Vapour Pressure (20°C) :k.A. mbar

Relative Density :1.35

Solubility in Water (20°C):soluble g/l

pH-Value of Product (20°C):5.4

Viscosity (20°C) :k.A.

Additional Information :

10 Stability and Reactivity

Conditions to Avoid :Reactions with alkalies.

Materials to Avoid :Reactions with oxidising agents.

Hazardous Decomposition Products:Hazardous decomposition products:

Ammonia

Additional Information :

11 Toxicological Information

LD 50:>2000mg/kg rat-oral

Frequent persistent contact with the skin can cause skin irritation.

The product has not been tested. The information is derived from the properties of the individual components.

12 Ecological Information

Do not discharge product unmonitored into the environment.

13 Disposal Considerations

Comment :Product must be disposed in accordance with the lawful and the local regulations.

Waste Catalogue No.(german):090105

Contaminated Packaging :

Cleaning of Packaging :

SAFETY DATA SHEET

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COLORTEC E-6 3-Bad Kit Bleichfixierbad Part 2

14 Transport Information

ADR / GGVS :-

Remarks :-

IMDG-Code :-

Remarks :-

IATA / ICAO :-

Remarks :-

No dangerous good for transportation

15 Regulatory Information

Labelling according EC-Regulations

The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

Symbol :-

R-Phrases:-

S-Phrases:allg.Hinweis

Contains:

Special Labell Information:

National Regulations:

VbF :-

Water hazard class (german):1

Other Regulations :

16 Other informations

The data in this Material Safety Data Sheet relate only to the material designated herein and do not relate to any other material or in any other process. The information is furnished in good faith, but no warranty, expressed or implied, is made. Users should consider information from all sources to assure proper use and disposal of the materials and safety and health of employees and customers.

n.a.=not applicable n.i.=no information

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acc. 91/155/EC

1 Identification of Preparation and Company

1.1 Product identification

Product name:COLORTEC E-6 3-Bad Kit Stabilisierungs- und
Netzmittelbad

Article-Nr. : 102034 Internal No.: 45603 -6714 -1

1.2 Identification of Manufacturer

Tetenal-Photowerk GmbH & Co Tetenal Ltd

Schützenwall 31 - 35 Centurion Way, Meridian Industrial Estate

D-22844 Norderstedt Leicester LE3 2WH

Tel.:040-52145-0 0116 263 0306

Fax :040-52145-296 0116 263 0087

Informations are prepared and given by :

Tetenal - Photowerk Abt. Labor Tel. +49 40-52145-0

Emergency telephone: +49 30 19240

2 Composition / Information on Ingredients

Hazardous Ingredients

	CAS-Nr.	Symbol and R-phrases of the pure substance
2	% Formaldehyde	
	50-00-0	T 23/24/25-34-40-43

Description Stabilizing bath for photographic colour materials

3 Hazard Identification

Posibles efectos cancerigenos. May cause sensitization by skin contact.

4 First Aid Measures

4.1 General Information:

Remove contaminated soaked clothing/shoes immediately and dispose of safely.

4.2 Inhalation :

Remove the casualty into fresh air and keep him calm.

4.3 Skin contact :

In case of contact with skin wash off immediately with plenty of water

4.4 Eye contact :

In case of contact with eyes rinse thoroughly with plenty of water
and seek medical advice

4.5 Ingestion :

Wash out mouth with water and drink plenty of water. Do NOT induce
vomiting, seek medical advice.

4.6 Information for Physician:

5 Fire-fighting Measures

5.1 Suitable Extinguishing Media: water spray jet foam dry powder

5.2 Extinguishing Media not to be used for safety reasons:

5.3 Special Hazards from the Product, its Combustionproducts or Gases:

In the event of fire the following can be released: Risk of formation of toxic pyrolysis products

5.4 Special Protective Equipment Do not inhale explosion and/or combustion gases. Use breathing apparatus.

5.5 Additional Information

Fire residues and contaminated firefighting water must be disposed off in accordance with the local regulations.

Accidental Release Measures

6.1 Personal Precautions: Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2 Environmental Precautions: Do not discharge into the drains/surface waters/groundwater.

6.3 Methodes for Cleaning: Send in suitable containers for recovery or disposal.

6.4 Additional Information

Take up with absorbent material.

7 Handling and Storage

7.1 Safe Handling:

No special measures necessary if used correctly.

7.2 Fire and Explosion Precautions: No special measures necessary

7.3 Storage: Provide floor with bundling.

7.4 Special Storage Information: Do not store together with animal feedstuffs.

7.5 Additional Information: storage temperature: 5-30°C

7.6 Storage Class:

8 Exposure Control and Personal Protection

8.1 Engineering Measures:

Exhaust over mixing vessel

8.2 Components with Threshold Limit Values: Formaldehyde 0.5 ppm/ 0,6mg/m³, danger of skin resorption (MAK 2001)

8.3 Additional Information: Do not eat or drink when working.

8.4 Personal Protection:

General Measures: Avoid contact with eyes and skin

Respiratory Protection: Short term: filter apparatus, Filter B

Hand Protection : chemical resistant gloves made of nitrile rubber, thickness >0,38mm breakthrough time >480min or neoprene, thickness >0,65mm, >240min

Eye Protection : tightly fitting goggles

Skin Protection : Impermeable protective clothing

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COLORTEC E-6 3-Bad Kit Stabilisierungs- und Netzmittelbad

9 Physical and Chemical Properties

Appearance

State:Liquid Colour:colourless Odour:Formaldehyde

Changes of State:

Blp.: 100 °C Mlt.p.: 0 °C

Flash point :n.a.

Flammability :

Ignition Temperature :n.a.

Autoflammability :

Oxidising Properties :n.a

Explosion Limits lower :n.a. Vol% upper:n.a. Vol%

Vapour Pressure (20°C) :n.a. mbar

Relative Density :1.0

Solubility in Water (20°C):soluble g/l

pH-Value of Product (20°C):4.8

Viscosity (20°C) :k.A.

Additional Information :

10 Stability and Reactivity

Conditions to Avoid :Reactions with acids, alkalies and oxidising agents.

Materials to Avoid :Reactions with strong oxidising agents.

Hazardous Decomposition Products:Irritant gases/vapours

Additional Information :

11 Toxicological Information

LD 50:k.A.

Sensitization through skin contact possible. The product has not been tested. The information is derived from the properties of the individual components. Indications of possible carcinogenic effects in animal studies are available.

12 Ecological Information

Do not discharge product unmonitored into the environment.

13 Disposal Considerations

Comment :Product must be disposed in accordance with the lawful and the local regulations.

Waste Catalogue No.(german):090199

Contaminated Packaging :

Cleaning of Packaging :

SAFETY DATA SHEET

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COLORTEC E-6 3-Bad Kit Stabilisierungs- und Netzmittelbad

14 Transport Information

ADR / GGVS :-

Remarks :-

IMDG-Code :-

Remarks :-

IATA / ICAO :-

Remarks :-

No dangerous good for transportation

15 Regulatory Information

Labelling according EC-Regulations

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Symbol :Xn

R-Phrases:40-43

S-Phrases:2-26-36/37/39

Contains:

2 % Formaldehyde

Special Labell Information:

National Regulations:

VbF :n.a.

Water hazard class (german):1

Other Regulations :

16 Other informations

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n.a.=not applicable n.i.=no information