

**Decart** Inc.

Lamoille Industrial Park Box 308  
Morrisville, Vermont 05661 (802) 888-4217  
Telex 957018

*Nasco K40454*

*97-3204A-60*

*from PO*

**DEKA**  
quality products  
arts/crafts  
paints & dyes

492

MATERIAL SAFETY DATA

MSDS #545  
ACT

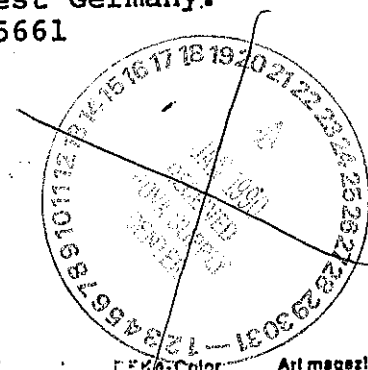
DEKA Series L Textile Dyes

These powder dyes are mixtures of substantive dyestuff and sodium sulfate. The ratio varies from shade to shade. Some of the dyes are "acid" while others are "direct." None of the dyes contain benzidine or benzidine derivatives.

Five technical data sheets are attached: three on "direct" dyes and two on "acid" dyes used in DEKA Series L. These are typical of the components used in all shades of Series L dyes.

When used in accordance with the manufacturer's instructions, these dyes are neither poisonous nor injurious to health in powder form or in solution.

Manufactured by: DEKA Textilfarben, GmbH-Munich, West Germany.  
Distributed by: Decart, Inc. - Morrisville, VT 05661



DEKA-Transparent  
paints for glass

DEKA-Sailcraft  
malle paints

DEKA-Permanent  
fabric dyes

DEKA-Color  
art dyes

DEKA-Color  
art dyes

DEKA-Color  
art dyes

Art magazines.  
Craft kits

*0.24537*

Product name

DEKA-Textile Dye 87 Bright Green  
Amidogruen V konz.

Chemical constitution

C.I. Acid Green 16

1 Physical data

1.1 Melting/softening point

n.a. - °C

1.2. Boiling point

n.a. - °C

1.3. Decomposition temperature

250 °C

1.4. pH

6 (at 10g/l water)

1.5. Solubility in water

soluble (g/l)  
20 °C 50  
°C

miscible

insoluble

1.6. Odour

yes/no

1.7. Physical form

solid

paste

liquid

2. Storage stability and handling

2.1. Special precautions for transport and handling

keep dry

2.2 Incompatible substances

none

2.3. Hazardous decomposition products

none

2.4. Hazardous polymerization

none

2.4.1. Preventive measures

none

2.5. Protective measures

- respirators
- gloves
- goggles

2.6. Special protective measures

none

2.7. Measures after spillage or leakage

sweep up

2.8 Disposal

burning, disposal in accordance with local regulations

Ignition and combustion

DEKA-Textile Dye 87 Bright Green

3.1. Flash point

n.a. - °C (Method of determination not applicable)

3.2. Extinguishing media

- water mist
- foam
- others
- CO2
- dry powder

3.3. Special fire precautions

none

3.4. Special fire and explosion hazard

none

4. Toxicity

4.1. Acute oral toxicity (LD50)

15.000 mg/kg, tested in rats

4.2. Skin irritation

causes very slight irritation tested in the rabbits

4.3. Eye irritation

non-irritating tested in the eyes of rabbits

5. Emergency and first-aid procedures

In case of accidental contact wash skin in running water and mild soap

Eyes: Flush with plenty of water; call a physician

6. Ecology

6.1. Biological elimination

- ready
- moderate
- fair
- poor - nil

6.2. Fish toxicity

LC	mg/l		
LC	mg/l	testing time	h

6.3. Toxicity to bacteria in waste water

mg/l

7. Special particulars

Ignition and combustion

DEKA-Textile Dye Orange 101

3.1. Flash point

n.a - °C (Method of determination not applicable)

3.2. Extinguishing media

- water mist
- foam
- others

- CO2
- dry powder

3.3. Special fire precautions

none

3.4. Special fire and explosion hazard

none

4. Toxicity

4.1. Acute oral toxicity (LD50)

6.700 mg/kg,

tested in rats

4.2. Skin irritation

causes very slight irritation tested in the rabbits

4.3. Eye irritation

non-irritating tested in the eyes of rabbits

5. Emergency and first-aid procedures

In case of accidental contact wash skin in running water and mild soap

Eyes: Flush with plenty of water; call a physician

6. Ecology

6.1. Biological elimination

- ready
- moderate
- fair
- poor - nil

6.2. Fish toxicity

LC mg/l  
LC mg/l

testing time h

6.3. Toxicity to bacteria in waste water none at 10.000g/l

7. Special particulars

Safety data sheet

Product name DEKA-Textile Dye 101 Orange  
 Telonechtorange G  
Chemical constitution C.I. Acid Orange 33 Azodye

1 Physical data

- 1.1 Melting/softening point 150 - °C
- 1.2 Boiling point n.a. - °C
- 1.3 Decomposition temperature 150 °C
- 1.4 pH 9 (at 20g/l water)
- 1.5 Solubility in water
 

20 °C	soluble (g/l)	miscible	insoluble
°C	100	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
- 1.6 Odour yes/no
- 1.7 Physical form
 

solid	paste	liquid
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Storage stability and handling

- 2.1. Special precautions for transport and handling keep dry
- 2.2 Incompatible substances none
- 2.3. Hazardous decomposition products none
- 2.4. Hazardous polymerization none
- 2.4.1. Preventive measures none
- 2.5. Protective measures
  - respirators
  - gloves
  - goggles
- 2.6. Special protective measures none
- 2.7. Measures after spillage or leakage sweep up
- 2.8 Disposal burning, disposal in accordance with local regulations

<u>Product name</u>	DEKA-Textile Dye No 72 Yellow
<u>Chemical constitution</u>	Perlaminechtgelb GL C.I Direct Yellow 12

**1 Physical data**

- 1.1 Melting/softening point n.a. - °C
- 1.2. Boiling point n.a - °C
- 1.3. Decomposition temperature. 190 °C
- 1.4. pH 9. (at 10 g/l water)
- 1.5. Solubility in water:
- |       |               |                          |                          |
|-------|---------------|--------------------------|--------------------------|
|       | soluble (g/l) | miscible                 | insoluble                |
| 20 °C | 20            | <input type="checkbox"/> | <input type="checkbox"/> |
| 95 °C | 40            | <input type="checkbox"/> | <input type="checkbox"/> |
- 1.6. Odour ~~yes/no~~
- 1.7. Physical form
- |                                     |                          |                          |
|-------------------------------------|--------------------------|--------------------------|
| solid                               | paste                    | liquid                   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**2. Storage stability and handling**

- 2.1. Special precautions for transport and handling keep dry
- 2.2 Incompatible substances none
- 2.3. Hazardous decomposition products none
- 2.4. Hazardous polymerization none
- 2.4.1. Preventive measures none
- 2.5. Protective measures
- |                          |             |
|--------------------------|-------------|
| <input type="checkbox"/> | respirators |
| <input type="checkbox"/> | gloves      |
| <input type="checkbox"/> | goggles     |
- 2.6. Special protective measures none
- 2.7. Measures after spillage or leakage sweep up
- 2.8 Disposal burning, disposal in accordance with local regulations

Ignition and combustion

DEKA-Textile Dye 72 Yellow

3.1. Flash point

n.a. - °C (Method of determination not applicable)

3.2. Extinguishing media

- water mist
- foam
- others

- CO<sub>2</sub>
- dry powder

3.3. Special fire precautions

none

3.4. Spezial fire and explosion hazard

none

4. Toxicity

4.1. Acute oral toxicity (LD50)

mg/kg,

tested in rats

4.2. Skin irritation

causes very slight irritation tested in the rabbits

4.3. Eye irritation

non-irritating tested in the eyes of rabbits

5. Emergency and first-aid procedures

In case of accidental contact wash skin in running water and mild soap

Eyes: Flush with plenty of water; call a physician

6. Ecology

6.1. Biological elimination

- ready
- moderate
- fair
- poor - nil

6.2. Fish toxicity

LC 500 mg/l  
LC mg/l

testing time 48 h

6.3. Toxicity to bacteria in waste water

2000 mg/l

7. Special particulars

<u>Product name</u>	DEKA-Textile Dye No. 91 Cooper-Brown Siriuslichtbraun 3 R -LL
<u>Chemical constitution</u>	C.I. Direct Red 84 Azo-Dye

**1 Physical data**

- 1.1 Melting/softening point 300 - °C
- 1.2. Boiling point - °C
- 1.3. Decomposition temperature 300 °C
- 1.4. pH 9,5 (at 20g/l water)
- 1.5. Solubility in water
- |       |               |                          |                          |
|-------|---------------|--------------------------|--------------------------|
|       | soluble (g/l) | miscible                 | insoluble                |
| 20 °C | 50            | <input type="checkbox"/> | <input type="checkbox"/> |
| °C    |               | <input type="checkbox"/> | <input type="checkbox"/> |
- 1.6. Odour yes/no
- 1.7. Physical form
- |                                     |                          |                          |
|-------------------------------------|--------------------------|--------------------------|
| solid                               | paste                    | liquid                   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**2. Storage stability and handling**

- 2.1. Special precautions for transport and handling keep dry
- 2.2 Incompatible substances none
- 2.3. Hazardous decomposition products none
- 2.4. Hazardous polymerization none
- 2.4.1. Preventive measures none
- 2.5. Protective measures
- |                          |             |
|--------------------------|-------------|
| <input type="checkbox"/> | respirators |
| <input type="checkbox"/> | gloves      |
| <input type="checkbox"/> | goggles     |
- 2.6. Special protective measures none
- 2.7. Measures after spillage or leakage sweep up
- 2.8 Disposal burning, disposal in accordance with local regulations



Ignition and combustion

DEKA-Textile Dye No 91 Cooper-Brown

3.1. Flash point

n.a. - °C (Method of determination not applicable)

3.2. Extinguishing media

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> water mist | <input checked="" type="checkbox"/> CO <sub>2</sub> |
| <input checked="" type="checkbox"/> foam       | <input type="checkbox"/> dry powder                 |
| <input type="checkbox"/> others                |   |

3.3. Special fire precautions

none

3.4. Special fire and explosion hazard

none

4. Toxicity

4.1. Acute oral toxicity (LD50)

8.100 mg/kg, tested in rats

4.2. Skin irritation

causes very slight irritation tested in the rabbits

4.3. Eye irritation

non-irritating tested in the eyes of rabbits

5. Emergency and first-aid procedures

In case of accidental contact wash skin in running water and mild soap

Eyes: Flush with plenty of water; call a physician

6. Ecology

6.1. Biological elimination

- |                                     |
|-------------------------------------|
| <input type="checkbox"/> ready      |
| <input type="checkbox"/> moderate   |
| <input type="checkbox"/> fair       |
| <input type="checkbox"/> poor - nil |

6.2. Fish toxicity

LC 500 mg/l testing time 48 h  
LC mg/l

6.3. Toxicity to bacteria in waste water none at 5000mg/l

7. Special particulars

<u>Product name</u>	DEKA- Textile Dye No. 100 Black Kunstseidenschwarz B hochkonz
<u>Chemical constitution</u>	C.I. Direct Black 19.

**1 Physical data**

1.1 Melting/softening point	n.a.	- °C	not applicable	
1.2. Boiling point	n.a.	- °C		
1.3. Decomposition temperature	140	°C		
1.4. pH	9,5	(at 10 g/l water)		
1.5. Solubility in water	20 °C 95 °C	soluble (g/l)	miscible	insoluble
		30 60	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
1.6. Odour	yes/no			
1.7. Physical form	solid <input checked="" type="checkbox"/>	paste <input type="checkbox"/>	liquid <input type="checkbox"/>	

**2. Storage stability and handling**

2.1. Special precautions for transport and handling	Keep dry
2.2. Incompatible substances	none
2.3. Hazardous decomposition products	none
2.4. Hazardous polymerization	none
2.4.1. Preventive measures	none
2.5. Protective measures	<input type="checkbox"/> respirators <input type="checkbox"/> gloves <input type="checkbox"/> goggles
2.6. Special protective measures	none
2.7. Measures after spillage or leakage	sweep up
2.8 Disposal	burning, disposal in accordance with local regulations

DEKA-Textile Dye 100 Black

Ignition and combustion

3.1. Flash point

n.a. - °C (Method of determination not applicable)

3.2. Extinguishing media

- water mist
- foam
- others
- CO<sub>2</sub>
- dry powder

3.3. Special fire precautions

none

3.4. Special fire and explosion hazard

none

4. Toxicity

4.1. Acute oral toxicity (LD50)

5000 . mg/kg, tested in rats

4.2. Skin irritation

causes very slight irritation tested in the rabbits

4.3. Eye irritation

non-irritating tested in the eyes of rabbits

5. Emergency and first-aid procedures

In case of accidental contact wash skin in running water and mild soap

Eyes: Flush with plenty of water; call a physician

6. Ecology

6.1. Biological elimination

- ready
- moderate
- fair
- poor - nil

6.2. Fish toxicity

LC 500 mg/l testing time 48 h  
LC mg/l

6.3. Toxicity to bacteria in waste water

500 . mg/l

7. Special particulars