

1 SECTION 1: Identification of the substance/mixture and of the company/undertaking**· 1.1 Product identifier**

- **Product name:** Golden Red C Ink
- **Registration number:** No registration number is given yet for this product.

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Used as ink in 3 Jumbo Stamp Pads.

Uses advised against: No information available.

· 1.3 Details of the supplier of the safety data sheet**Modern Teaching Aids Pty Ltd**

Office: Level 1, 122-126 Old Pittwater Road, Brookvale NSW 2100 Australia

Post: PO BOX 6367 Frenchs Forest NSW 2086 Australia

Freephone: 1800 251 497 (AU) 0800 808 044 (NZ)

FreeFax: 1800 151 492 (AU) 0800 682 329 (NZ)

Email: sales@teaching.com.au sales@teaching.co.nz

Website: www.teaching.com.au www.teaching.co.nz

2 SECTION 2: Hazards identification**· 2.1 Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008 [CLP]**

The product is not classified according to the CLP regulation.

- **Classification according to Directive 67/548/EEC [DSD] or Directive 1999/45/EC [DPD]**

The product is not classified as dangerous.

· 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008 [CLP] Void**

· **Hazard pictogram(s):** Void

· **Signal word:** Void

· **Hazard statement(s):** Void

· **Precautionary statements:** Void

- **2.3 Other hazards** No information available.

· **Results of PBT and vPvB assessment:** Not applicable.

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Golden Red C Ink

(Contd. of page 1)

3 SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Mixtures**
- **Description:** Product: consisting of the following components.

· Dangerous components:

CAS: 56-81-5 EINECS: 200-289-5	glycerol	30%
CAS: 8012-95-1 EINECS: 232-384-2	Paraffin oils	3%

4 SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** In all cases of doubt, seek medical attention.
- **Following inhalation:** Remove from exposure and move to fresh air immediately.
- **Following skin contact:** Immediately rinse with water.
- **Following eye contact:** Flush well with running water. Get medical attention if irritation persists.
- **Following ingestion:** If swallowed by children accidentally, medical treatment immediately.
- **Information for doctor:** No information available.
- **4.2 Most important symptoms and effects, both acute and delayed** No information available.

5 SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **Unsuitable extinguishing agents:** No information available.
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

EU

(Contd. on page 3)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Golden Red C Ink

(Contd. of page 2)

6 SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

· 6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

Keep contaminated washing water and dispose of appropriately.

· 6.3 Methods and material for containment and cleaning up

Pick up mechanically. Sweep up and shovel. Keep in suitable, closed containers for disposal.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 SECTION 7: Handling and storage

· 7.1 Handling

Handle in accordance with good industrial hygiene and safety practice. Use this material with adequate ventilation. Avoid formation of dust.

Avoid breathing dusts or mists. Avoid contact with eyes.

· 7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry and well-ventilated place. Keep away from heat and ignition sources. Store away from incompatible materials.

· 7.3 Specific end use(s) No information available.

8 SECTION 8: Exposure controls/personal protection

· Information about design of technical facilities:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

(Contd. on page 4)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Golden Red C Ink

(Contd. of page 3)

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 glycerol

PEL (USA)	15* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	10* ppm *Mist

8012-95-1 Paraffin oils

PEL (USA)	5 mg/m ³
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- **DNELs** No information available.
- **PNECs** No information available.

· 8.2 Exposure controls

- **Appropriate engineering controls:** Use local exhaust ventilation. Ensure adequate ventilation.
- **General protective and hygienic measures:**
Accordance with good industrial hygiene and safety measures for operation. Wash hands before breaks and at the end of work.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Skin protection:** Protective gloves and protective skin cream
- **Eye and face protection:** Safety glasses
- **Body protection:** Protective work clothing

9 SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

- **Appearance:** Liquid
- **Colour:** Golden red
- **Odour:** Not determined.
- **pH-value:** Not determined.
- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Self-igniting:** Product is not selfigniting.

(Contd. on page 5)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Golden Red C Ink

(Contd. of page 4)

- | | |
|---|---|
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Vapour pressure: | Not applicable. |
| · Density: | Not determined. |
| · Solubility in/Miscibility with: | |
| · Water: | Not determined. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| · Dynamic: | Not determined. |
| · Kinematic: | Not determined. |
| · 9.2 Additional information | No further relevant information available. |

10 SECTION 10: Stability and reactivity

- **10.1 Reactivity**
Stable under recommended storage and handling conditions (see section 7, handling and storage).
- **10.2 Chemical stability** Stable under normal conditions of use, storage and transport.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** Strong acids, strong bases or strong oxidizing agents.
- **10.6 Hazardous decomposition products** Other irritating and toxic gases.

11 SECTION 11: Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

504-63-2 propane-1,3-diol

Oral	LD50	4773 mg/kg (mouse)
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56-81-5 glycerol

Oral	LD50	12600 mg/kg (rat)
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- **Skin corrosion/irritation:** No irritant effect.

(Contd. on page 6)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Golden Red C Ink

(Contd. of page 5)

- **Serious eye damage/irritation:** No irritating effect.
- **Respiratory or skin sensitization:** No sensitizing effects known.
- **Specific target organ system toxicity:** No information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** No information available.

12 SECTION 12: Ecological information

- **12.1 Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No information available.

13 SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.

14 SECTION 14: Transport information

- **14.1 Land transport**
- **ADR/RID class:** Not regulated.
- **UN-Number:** Not applicable.
- **14.2 Maritime transport**
- **IMDG Class:** Not regulated.
- **UN Number:** Not applicable.
- **Marine pollutant:** No

(Contd. on page 7)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Golden Red C Ink

(Contd. of page 6)

- **14.3 Air transport**
- **ICAO/IATA Class:** Not regulated.
- **UN/ID Number:** Not applicable.
- **UN "Model Regulation":** Not applicable.
- **14.4 Environmental hazards:** Not applicable.
- **14.5 Special precautions for user** Not applicable.
- **14.6 Transport/Additional information:** No information available.
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Authorizations: No information available.
Restrictions on use: No information available.
EINECS: CAS No. 504-63-2, 56-81-5, 8012-95-1 are listed in.
DSD (67/548/EEC): CAS No. 504-63-2, 56-81-5, 8012-95-1 are not listed in.
- **15.2 Chemical safety assessment** A Chemical Safety Assessment has not been carried out.

16 SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases:** Not applicable.
- **Department issuing SDS:** Centre Testing International
- **Contact us:** REACH@cti-cert.com
- **Date issuing SDS:** November 8, 2013
- **Sources:**
NLM: U.S. National Library of Medicine.
GESTIS-database: Information system on hazardous substances of the German Social Accident Insurance.
ESIS: European chemical Substances Information System.
Provided by company

1 SECTION 1: Identification of the substance/mixture and of the company/undertaking
· 1.1 Product identifier

- **Product name:** Phthalocyanine Green Ink
- **Registration number:** No registration number is given yet for this product.

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Used as ink in 3 Jumbo Stamp Pads.

Uses advised against: No information available.

· 1.3 Details of the supplier of the safety data sheet
Modern Teaching Aids Pty Ltd

Office: Level 1, 122-126 Old Pittwater Road, Brookvale NSW 2100 Australia

Post: PO BOX 6367 Frenchs Forest NSW 2086 Australia

Freephone: 1800 251 497 (AU) 0800 808 044 (NZ)

FreeFax: 1800 151 492 (AU) 0800 682 329 (NZ)

Email: sales@teaching.com.au sales@teaching.co.nz

Website: www.teaching.com.au www.teaching.co.nz

2 SECTION 2: Hazards identification
· 2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008 [CLP]**

The product is not classified according to the CLP regulation.

- **Classification according to Directive 67/548/EEC [DSD] or Directive 1999/45/EC [DPD]**

The product is not classified as dangerous.

· 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008 [CLP] Void**

· **Hazard pictogram(s):** Void

· **Signal word:** Void

· **Hazard statement(s):** Void

· **Precautionary statements:** Void

- **2.3 Other hazards** No information available.

· **Results of PBT and vPvB assessment:** Not applicable.

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Green Ink

(Contd. of page 1)

3 SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Mixtures**
- **Description:** Product: consisting of the following components.

· Dangerous components:

CAS: 56-81-5 EINECS: 200-289-5	glycerol	30%
CAS: 8012-95-1 EINECS: 232-384-2	Paraffin oils	3%

4 SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** In all cases of doubt, seek medical attention.
- **Following inhalation:** Remove from exposure and move to fresh air immediately.
- **Following skin contact:** Immediately rinse with water.
- **Following eye contact:** Flush well with running water. Get medical attention if irritation persists.
- **Following ingestion:** If swallowed by children accidentally, medical treatment immediately.
- **Information for doctor:** No information available.
- **4.2 Most important symptoms and effects, both acute and delayed** No information available.

5 SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **Unsuitable extinguishing agents:** No information available.
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

EU

(Contd. on page 3)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Green Ink

(Contd. of page 2)

6 SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

· 6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

Keep contaminated washing water and dispose of appropriately.

· 6.3 Methods and material for containment and cleaning up

Pick up mechanically. Sweep up and shovel. Keep in suitable, closed containers for disposal.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 SECTION 7: Handling and storage

· 7.1 Handling

Handle in accordance with good industrial hygiene and safety practice. Use this material with adequate ventilation. Avoid formation of dust.

Avoid breathing dusts or mists. Avoid contact with eyes.

· 7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry and well-ventilated place. Keep away from heat and ignition sources. Store away from incompatible materials.

· 7.3 Specific end use(s) No information available.

8 SECTION 8: Exposure controls/personal protection

· Information about design of technical facilities:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

(Contd. on page 4)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Green Ink

(Contd. of page 3)

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 glycerol

PEL (USA)	15* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	10* ppm *Mist

8012-95-1 Paraffin oils

PEL (USA)	5 mg/m ³
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- **DNELs** No information available.
- **PNECs** No information available.

· 8.2 Exposure controls

- **Appropriate engineering controls:** Use local exhaust ventilation. Ensure adequate ventilation.
- **General protective and hygienic measures:**
Accordance with good industrial hygiene and safety measures for operation. Wash hands before breaks and at the end of work.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Skin protection:** Protective gloves and protective skin cream
- **Eye and face protection:** Safety glasses
- **Body protection:** Protective work clothing

9 SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

- **Appearance:** Liquid
- **Colour:** Phthalocyanine green
- **Odour:** Not determined.
- **pH-value:** Not determined.
- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Self-igniting:** Product is not selfigniting.

(Contd. on page 5)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Green Ink

(Contd. of page 4)

- | | |
|---|---|
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Vapour pressure: | Not applicable. |
| · Density: | Not determined. |
| · Solubility in/Miscibility with: | |
| · Water: | Not determined. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| · Dynamic: | Not determined. |
| · Kinematic: | Not determined. |
| · 9.2 Additional information | No further relevant information available. |

10 SECTION 10: Stability and reactivity

- **10.1 Reactivity**
Stable under recommended storage and handling conditions (see section 7, handling and storage).
- **10.2 Chemical stability** Stable under normal conditions of use, storage and transport.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** Strong acids, strong bases or strong oxidizing agents.
- **10.6 Hazardous decomposition products** Other irritating and toxic gases.

11 SECTION 11: Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

504-63-2 propane-1,3-diol

Oral	LD50	4773 mg/kg (mouse)
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56-81-5 glycerol

Oral	LD50	12600 mg/kg (rat)
------	------	-------------------

- **Skin corrosion/irritation:** No irritant effect.

(Contd. on page 6)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Green Ink

(Contd. of page 5)

- **Serious eye damage/irritation:** No irritating effect.
- **Respiratory or skin sensitization:** No sensitizing effects known.
- **Specific target organ system toxicity:** No information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** No information available.

12 SECTION 12: Ecological information

- **12.1 Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No information available.

13 SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.

14 SECTION 14: Transport information

- **14.1 Land transport**
- **ADR/RID class:** Not regulated.
- **UN-Number:** Not applicable.
- **14.2 Maritime transport**
- **IMDG Class:** Not regulated.
- **UN Number:** Not applicable.
- **Marine pollutant:** No

(Contd. on page 7)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Green Ink

(Contd. of page 6)

- **14.3 Air transport**
- **ICAO/IATA Class:** Not regulated.
- **UN/ID Number:** Not applicable.
- **UN "Model Regulation":** Not applicable.
- **14.4 Environmental hazards:** Not applicable.
- **14.5 Special precautions for user:** Not applicable.
- **14.6 Transport/Additional information:** No information available.
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

15 SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Authorizations: No information available.
Restrictions on use: No information available.
EINECS: CAS No. 504-63-2, 56-81-5, 8012-95-1 are listed in.
DSD (67/548/EEC): CAS No. 504-63-2, 56-81-5, 8012-95-1 are not listed in.
- **15.2 Chemical safety assessment** A Chemical Safety Assessment has not been carried out.

16 SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases:** Not applicable.
- **Department issuing SDS:** Centre Testing International
- **Contact us:** REACH@cti-cert.com
- **Date issuing SDS:** November 8, 2013
- **Sources:**
NLM: U.S. National Library of Medicine.
GESTIS-database: Information system on hazardous substances of the German Social Accident Insurance.
ESIS: European chemical Substances Information System.
Provided by company

1 SECTION 1: Identification of the substance/mixture and of the company/undertaking
· 1.1 Product identifier

- **Product name:** Phthalocyanine Blue Ink
- **Registration number:** No registration number is given yet for this product.

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Used as ink in 3 Jumbo Stamp Pads.

Uses advised against: No information available.

· 1.3 Details of the supplier of the safety data sheet
Modern Teaching Aids Pty Ltd

Office: Level 1, 122-126 Old Pittwater Road, Brookvale NSW 2100 Australia

Post: PO BOX 6367 Frenchs Forest NSW 2086 Australia

Freephone: 1800 251 497 (AU) 0800 808 044 (NZ)

FreeFax: 1800 151 492 (AU) 0800 682 329 (NZ)

Email: sales@teaching.com.au sales@teaching.co.nz

Website: www.teaching.com.au www.teaching.co.nz

2 SECTION 2: Hazards identification
· 2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008 [CLP]**

The product is not classified according to the CLP regulation.

- **Classification according to Directive 67/548/EEC [DSD] or Directive 1999/45/EC [DPD]**

The product is not classified as dangerous.

· 2.2 Label elements

- **Labelling according to Regulation (EC) No 1272/2008 [CLP] Void**

· **Hazard pictogram(s):** Void

· **Signal word:** Void

· **Hazard statement(s):** Void

· **Precautionary statements:** Void

- **2.3 Other hazards** No information available.

· **Results of PBT and vPvB assessment:** Not applicable.

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Blue Ink

(Contd. of page 1)

3 SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterization: Mixtures**
- **Description:** Product: consisting of the following components.

· Dangerous components:

CAS: 56-81-5 EINECS: 200-289-5	glycerol	30%
CAS: 8012-95-1 EINECS: 232-384-2	Paraffin oils	3%

4 SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** In all cases of doubt, seek medical attention.
- **Following inhalation:** Remove from exposure and move to fresh air immediately.
- **Following skin contact:** Immediately rinse with water.
- **Following eye contact:** Flush well with running water. Get medical attention if irritation persists.
- **Following ingestion:** If swallowed by children accidentally , medical treatment immediately.
- **Information for doctor:** No information available.
- **4.2 Most important symptoms and effects, both acute and delayed** No information available.

5 SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **Unsuitable extinguishing agents:** No information available.
- **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

EU

(Contd. on page 3)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Blue Ink

(Contd. of page 2)

6 SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

· 6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

Keep contaminated washing water and dispose of appropriately.

· 6.3 Methods and material for containment and cleaning up

Pick up mechanically. Sweep up and shovel. Keep in suitable, closed containers for disposal.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 SECTION 7: Handling and storage

· 7.1 Handling

Handle in accordance with good industrial hygiene and safety practice. Use this material with adequate ventilation. Avoid formation of dust.

Avoid breathing dusts or mists. Avoid contact with eyes.

· 7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry and well-ventilated place. Keep away from heat and ignition sources. Store away from incompatible materials.

· 7.3 Specific end use(s) No information available.

8 SECTION 8: Exposure controls/personal protection

· Information about design of technical facilities:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

(Contd. on page 4)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Blue Ink

(Contd. of page 3)

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 glycerol

PEL (USA)	15* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	10* ppm *Mist

8012-95-1 Paraffin oils

PEL (USA)	5 mg/m ³
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- **DNELs** No information available.
- **PNECs** No information available.

· 8.2 Exposure controls

- **Appropriate engineering controls:** Use local exhaust ventilation. Ensure adequate ventilation.
- **General protective and hygienic measures:**
Accordance with good industrial hygiene and safety measures for operation. Wash hands before breaks and at the end of work.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Skin protection:** Protective gloves and protective skin cream
- **Eye and face protection:** Safety glasses
- **Body protection:** Protective work clothing

9 SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

- **Appearance:** Liquid
- **Colour:** Phthalocyanine blue
- **Odour:** Not determined.
- **pH-value:** Not determined.
- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Self-igniting:** Product is not selfigniting.

(Contd. on page 5)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Blue Ink

(Contd. of page 4)

- | | |
|---|---|
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Vapour pressure: | Not applicable. |
| · Density: | Not determined. |
| · Solubility in/Miscibility with: | |
| · Water: | Not determined. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| · Dynamic: | Not determined. |
| · Kinematic: | Not determined. |
| · 9.2 Additional information | No further relevant information available. |

10 SECTION 10: Stability and reactivity

- **10.1 Reactivity**
Stable under recommended storage and handling conditions (see section 7, handling and storage).
- **10.2 Chemical stability** Stable under normal conditions of use, storage and transport.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** Strong acids, strong bases or strong oxidizing agents.
- **10.6 Hazardous decomposition products** Other irritating and toxic gases.

11 SECTION 11: Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

504-63-2 propane-1,3-diol

Oral	LD50	4773 mg/kg (mouse)
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56-81-5 glycerol

Oral	LD50	12600 mg/kg (rat)
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- **Skin corrosion/irritation:** No irritant effect.

(Contd. on page 6)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

Printing date 08.11.2013

Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Blue Ink

(Contd. of page 5)

- **Serious eye damage/irritation:** No irritating effect.
- **Respiratory or skin sensitization:** No sensitizing effects known.
- **Specific target organ system toxicity:** No information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** No information available.

12 SECTION 12: Ecological information

- **12.1 Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No information available.

13 SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.

14 SECTION 14: Transport information

- **14.1 Land transport**
- **ADR/RID class:** Not regulated.
- **UN-Number:** Not applicable.
- **14.2 Maritime transport**
- **IMDG Class:** Not regulated.
- **UN Number:** Not applicable.
- **Marine pollutant:** No

(Contd. on page 7)

Safety Data Sheet (SDS)

According to Commission Regulation (EU) No 453/2010

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Version number 1

Revision date 08.11.2013

Product name: Phthalocyanine Blue Ink

(Contd. of page 6)

- **14.3 Air transport**
- **ICAO/IATA Class:** Not regulated.
- **UN/ID Number:** Not applicable.
- **UN "Model Regulation":** Not applicable.
- **14.4 Environmental hazards:** Not applicable.
- **14.5 Special precautions for user** Not applicable.
- **14.6 Transport/Additional information:** No information available.
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Authorizations: No information available.
Restrictions on use: No information available.
EINECS: CAS No. 504-63-2, 56-81-5, 8012-95-1 are listed in.
DSD (67/548/EEC): CAS No. 504-63-2, 56-81-5, 8012-95-1 are not listed in.
- **15.2 Chemical safety assessment** A Chemical Safety Assessment has not been carried out.

16 SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases:** Not applicable.
- **Department issuing SDS:** Centre Testing International
- **Contact us:** REACH@cti-cert.com
- **Date issuing SDS:** November 8, 2013
- **Sources:**
NLM: U.S. National Library of Medicine.
GESTIS-database: Information system on hazardous substances of the German Social Accident Insurance.
ESIS: European chemical Substances Information System.
Provided by company