

**20885-1009**

**SELLNER TINTENPATRONEN**  
**Safety Data Sheet in Accordance with 91/155/EEC**

reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

Date: 17/02/2009

Revision Date : 15.11.2007 page 1/4

**1. Product Name and Code**

1. Product description: Ink blue erasable Code: 14122

**Registration number**

The ingredients of this ink have been pre-registered according to 1907/2006/EC (REACH)

**Name, full address and tel. of company:**

Rudolf Sellner GesmbH

Freilingstraße 102

A-4614 Marchtrenk

Phone: 07242/46358

Fax: +43(0)7242/46358-15

Responsible dept.: Quality assurance: Phone: +43(0)7242/46358-37

Email: [Schinking@sellner-tp.at](mailto:Schinking@sellner-tp.at)**2. HAZARDS IDENTIFICATION****Hazard description:** Not applicable.**Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**3. COMPOSITION/INFORMATION OF INGREDIENTS****Chemical Characteristic :** aqueous solution of dyestoff and Preservative.**4. FIRST AID MEASURES****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If symptoms persist consult doctor.**5. FIRE-FIGHTING MEASURES****Extinguishing media:** N/A**Recommendations:** N/A

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**6. ACCIDENTAL RELEASE MEASURES**

**Person-related safety precautions:** Not required.

**Measures for environmental protection:**

Dilute with plenty of water.

**Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**Additional information:** No dangerous substances are released.

**7. HANDLING AND STORAGE**

**Handling:**

**Information for safe handling:** No special measures required.

**Information about fire - and explosion protection:** No special measures required.

**Storage:**

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Measures**

NA

**Exposure Limits**

**Occupational exposure limits for**

CAS-No. Names

N/A.

**Personal protection**

**Respiratory protection:** N/A

**Hand protection:** N/A

**Eye protection:** N/A

**Skin protection** All parts of the body should be washed after contact.

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**9. PHYSIKAL AND CHEMICAL PROPERTIES**

Form: Fluid  
 Colour: According to the product specification  
 Odour: Characteristic

Important information on protection of health  
 and environment, and on safety.

Change in condition

Melting point/Melting range: 0°C

Boiling point/Boiling range: 100°C

Flash point: Not applicable.

Self-igniting: Product is not self igniting.

Danger of explosion: Product does not present an explosion hazard.

Vapour pressure at 20°C: 23 hPa

Density at 20°C: 1.08 g/cm<sup>3</sup>

Solubility in / Miscibility with water: Fully miscible.

pH-value at 20°C: 2.2

Viscosity: Dynamic at 20°C: 1.1 mPas

Solvent content: 0%

Organic solvents: 1%

Water: 97 %

**10. STABILITY AND REACTIVITY**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Dangerous reactions** No dangerous reactions known.

**Dangerous decomposition products:** No dangerous decomposition products known.

**11. TOXIOLOGICAL INFORMATION**

**Acute toxicity:**

**Primary irritant effect:**

on the skin: No irritant effect.

on the eye: No irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU

Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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**12. ECOLOGICAL INFORMATION**

**General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13. DISPOSAL CONSIDERATIONS**

**Product:**

Recommendation Smaller quantities can be disposed of with household waste.

**Uncleaned packaging:**

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

**14. TRANSPORT INFORMATION**

ADR, ADNR, RID, IATA, IMDG : N/A

**15. REGULATORY INFORMATION**

**Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on

Hazardous Materials (Austria GefStoffV).

**16. OTHER INFORMATIONS**

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.



## SAFETY DATA SHEET

(To requirements of Directive 1907/2006/EC)

June 2007  
issue 1

<b>1</b>	<b>UM0055 Deep Black</b>
For use as a colour concentrate for the colouration of thermoplastics, for more detailed use see Technical Datasheet. Suitable for injection moulding, extrusion and rotational moulding.	
IMPACT COLOURS Ltd. 24 Norris Way, Wellingborough Road Rushden, NN10 6BP United Kingdom	
Contact: <a href="mailto:gotton@impactcolours.co.uk">gotton@impactcolours.co.uk</a> Tel: (+44)01933-350500 (8am-5:30pm-office hours) Fax: 01933-313300	
<b>2</b>	<b>Hazards Identification</b>
Not classified as dangerous according to directive 1999/45/EC Not considered hazardous to environment. Solid pellets with slight or no odour. Spilled pellets may create slipping hazard. Molten plastic may cause severe thermal burns. No hazardous reactions known.	
<b>3</b>	<b>Composition</b>
Proprietary masterbatches of non-cadmium/non-heavy metal based colours in a blend of polymeric materials.	

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#### 4 First Aid Measures

Inhalation: Not applicable.  
 Skin Contact: In case of contact with molten plastic cool rapidly with water. Do not attempt to remove physically or with solvent. Seek medical advice.  
 Eye Contact: Not applicable.  
 Ingestion: Not applicable.

#### 5 Fire-Fighting Measures

Governed by other materials present, otherwise use water, CO<sub>2</sub>, foam or powder.  
 Specific Hazards: Styrene gas may be evolved with dense smoke  
 Firefighters: wear self contained breathing apparatus

#### 6 Accidental Release Measures

Collect mechanically. Re-use if possible or dispose of according to the local Waste Authority regulations for plastic masterbatches of colouring chemicals.

#### 7 Handling and Storage

Handling : Follow good standard industrial hygiene practices. Apply adequate ventilation directly to outside air. Wear personal protective equipment as appropriate.  
 Storage : Store in unopened containers under cool dry conditions. Reseal the container after use. Use in order of purchase.



## 8 Exposure Control and Personal Protection

Adequate control should be achieved by measures other than personal protective equipment, such as enclosure or ventilation, so far as is reasonably practicable.

### Recommended Personal Protective Equipment:

General: Impermeable safety footwear and industrial safety helmet.  
 Eye Protection: Safety spectacles.  
 Hand Protection: Wear chemical protective gloves. Rubber is a suitable material of construction.  
 Skin Protection: Long sleeved flame retardant overalls.

## 9 Physical and Chemical Properties

Physical State at 23°C:	Solid (pellets approx. 3mm diameter and length)
Colour:	Black
Odour:	Very slight odour or none
Melting Point/Melting Range:	80-90°C
Solubility In Water:	Insoluble

## 10 Stability and Reactivity

Thermally stable under normal processing conditions.  
 Hazardous Decomposition Products: Styrene.

## 11 Toxicological Information

The product is considered harmless to health if handled in accordance with good industrial hygiene.

Eyes:	None
Skin:	None
Inhalation:	None
Oral:	LD <sub>50</sub> (rat) > 2000mg/kg

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## 12 Ecological Information

Due to its insolubility, the product should not be dangerous to aquatic life.

## 13 Disposal Considerations

Treat as chemical waste. Seek advice from the local Waste Authority.

## 14 Transport Information

UN No.	)	
IMDG Code	)	Not listed as a hazardous substance for transport.
ADR/RID	)	
ICAO/IATA	)	
Shipping Name	)	UM0055 Deep Black

## 15 Regulatory Information

Not Applicable.

## 16 Other Information

Suppliers' data sheets and other technical information were used in the production of this Health & Safety Data Sheet. Please ensure adequate circulation of this publication to relevant employees.

Data and information contained in this Safety Data Sheet are based on our available knowledge at the last revision date. No guarantee can be given as to the sufficiency of any safety measure contained in this document, nor can it be assumed that other or additional measures may not be required under particular or exceptional circumstances



**Material Safety Data Sheet** according to 2001/58/EG

Aratrum GmbH

Page 1 of 4

Released: 05.08.2003

Printed: 17.05.04

Document-No.:32 E

**1. Description of Substance, Formulation and Company****Trade Name:**

Smartink Calligraphy schwarz/black

**Purpose of Use:**Fountain Pen Ink Roller Ball Ink Calligraphy Ink **Company:**

Aratrum GmbH  
Diekbuschweg 16  
D - 27386 Hemslingen  
Phone: +49 (0) 4266 954 974

**Further Information :**

Telefon: +49 (0) 4266 954 974

**Emergency Information:**

Emergency Call in case of poisoning:+49 (0) 361 730730

**2. Composition / Information about Compounds****Chemical Characterization:**

Water-based composition containing azo-dyes and pigment preparation (66 % water)

**Hazardous Substances:**

Chem. Description: Ethylen glycol

Concentration: &lt; 5 %

CAS-No.: 107-21-1

Risk Symbol: Xn

R-Sets: R 22

**Material Safety Data Sheet according to 2001/58/EG**

Aratrum GmbH

Page 2 of 4

Released: 05.08.2003

Printed: 17.05.04

**3. Possible Risks**

Based on the current knowledge and if properly handled this product is not dangerous to humans and environment.

**4. First Aid Measures****Inhaling of vapours, steams or dust**

Expose person to fresh air, in case of difficulties of breathing contact a doctor.

**Contact with skin :**

Wash with water an soap.

**Contact with eyes :**

Wash out with much water, or contact an eye-doctor

**Swallowing:**

Drink lots of water; avoid vomiting; in case of indisposition consult a doctor.

**5. Measures in Case of Fire****Suitable Extinguishing Agents :**

Water mist, foam, dry extinguishers, carbon dioxide.

**Additional remarks :**

Not combustible

**6. Measures in Case of Unintended Release**

Take up with absorptive material; clean contacted areas with enough water, add detergents if necessary.

Avoid penetration in waters.

**7. Handling and Storage**

No special measures requested.

Storage in standard plastic containers, frost-free and not above 45°C, keep separated from nutrition.

**Material Safety Data Sheet according to 2001/58/EG**

Aratrum GmbH

Page 3 of 4

Released: 05.08.2003

Printed: 17.05.04

**8. Limitation of Exposition and Personal Protection Equipment**

Standard precaution measures of handling chemical substances have to be noticed, e.g. protective glasses and rubber gloves when handling larger quantities.

**9. Physical and Chemical Properties**

Consistence :	liquid
Color :	black
Smell :	no smell
pH – value :	7,7 -8,7
Boiling point :	n.d.
Freezing point :	n.d.
Density :	1,03 g/cm <sup>3</sup>
Vapour pressure :	n.d.
Viscosity :	1,5 mm <sup>2</sup> /s at 25°C
Conductivity :	n.d.
Solubility in water :	soluble
Flame point :	n.d.
Ignition temperature :	n.d.

**10. Stability and Reactivity**

Stable liquid preparation.

No thermal decomposition when properly stored and used.

**11. Information about Toxicology**

No information available

**12. Information about Ecology**

No information available

**13. Disposal**

Larger quantities of ink and contaminated packages are to be disposed in accordance with local regulations as special waste, e.g. by combustion.

Smaller quantities – diluted with water, if necessary – can be disposed over the local waste water system; if taken up in an adsorptive, it can also be disposed over the domestic system.

Cleaned packages can be reused or recycled.

**Material Safety Data Sheet according to 2001/58/EG**

Aratrum GmbH

Page 4 of 4

Released: 05.08.2003

Printed: 17.05.04

**14. Information about Transport**

No hazardous goods.

**15. Regulations**

No hazardous substances labelling requested.

**16. Other Information**

All information is based on the present knowledge and experience. The material safety data sheet describes products with respect to safety requirements. The information is not a warranty of certain properties.

Laws and regulations have to be noticed by the user's own responsibility.

**SELLNER TINTENPATRONEN**  
**Safety Data Sheet in Accordance with 91/155/EEC**

reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

Date: 17/02/2009

Revision Date : 12.11.2007 1/4

**1. Product Name and Code**

1. Product description: Ink red Code: 14305

**Name, full address and tel. of company:**

Rudolf Sellner GesmbH

Freilingerstraße 102

A-4614 Marchtrenk

Phone: 07242/46358

Fax: +43(0)7242/46358-15

Responsible dpt.: Quality assurance: Phone: +43(0)7242/46358-37

email: [Schinking@sellner-tp.at](mailto:Schinking@sellner-tp.at)**2. HAZARDS IDENTIFICATION****Hazard description:** Not applicable.**Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**3. COMPOSITION/INFORMATION OF INGREDIENTS**

Chemical Characterization: aqueous solution of dyestuffs and additives.

**4. FIRST AID MEASURES****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If symptoms persist consult doctor.

**SELLNER TINTENPATRONEN**  
**Safety Data Sheet in Accordance with 91/155/EEC**

reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

Date: 17/02/2009

Revision Date : 12.11.2007 2/4

**5. FIRE-FIGHTING MEASURES**

Extinguishing media: N/A

Recommendations: N/A

**6. ACCIDENTAL RELEASE MEASURES**

Person-related safety precautions: Not required.

Measures for environmental protection:

Dilute with plenty of water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information: No dangerous substances are released.

**7. HANDLING AND STORAGE**

Handling:

Information for safe handling: No special measures required.

Information about fire - and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Measures

NA

Exposure Limits

Occupational exposure limits for

CAS-No. Names

N/A.

Personal protection

Respiratory protection: N/A

Hand protection: N/A

Eye protection: N/A

Skin protection All parts of the body should be washed after contact.

**SELLNER TINTENPATRONEN**  
**Safety Data Sheet in Accordance with 91/155/EEC**

reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

Date: 17/02/2009

Revision Date : 12.11.2007

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**9. PHYSIKAL AND CHEMICAL PROPERTIES**

Form: Fluid  
Colour: According to the product specification  
Odour: Characteristic

Important information on protection of health  
and environment, and on safety.

Change in condition

<u>Melting point/Melting range:</u>	0°C
<u>Boiling point/Boiling range:</u>	100°C
<u>Flash point:</u>	Not applicable.
<u>Self-igniting:</u>	Product is not self igniting.
<u>Danger of explosion:</u>	Product does not present an explosion hazard.
<u>Vapour pressure at 20°C:</u>	23 hPa
<u>Density at 20°C:</u>	1,08 g/cm <sup>3</sup>
<u>Solubility in / Miscibility with water:</u>	Fully miscible.
<u>pH-value at 20°C:</u>	9,5
<u>Viscosity: Dynamic at 20°C:</u>	1,1 mPas
<u>Solvent content:</u>	0%
<u>Organic solvents:</u>	1,8%
<u>Water:</u>	96 %

**10. STABILITY AND REACTIVITY**

**Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
**Dangerous reactions** No dangerous reactions known.  
**Dangerous decomposition products:** No dangerous decomposition products known.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity:**  
**Primary irritant effect:**  
**on the skin:** No irritant effect.  
**on the eye:** No irritating effect.  
**Sensitization:** No sensitizing effects known.  
**Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**SELLNER TINTENPATRONEN**  
**Safety Data Sheet in Accordance with 91/155/EEC**

reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

Date: 17/02/2009

Revision Date : 12.11.2007 4/4

**12. ECOLOGICAL INFORMATION**

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13. DISPOSAL CONSIDERATIONS**

**Product:**

**Recommendation** Smaller quantities can be disposed of with household waste.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**14. TRANSPORT INFORMATION**

ADR, ADNR, RID, IATA, IMDG : N/A

**15. REGULATORY INFORMATION**

**Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on

Hazardous Materials (Austria GefStoffV).

**16. OTHER INFORMATIONS**

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.



**SELLNER TINTENPATRONEN**  
**Safety Data Sheet in Accordance with 91/155/EEC**

reworked according to 2001/58/EG

Product Name: Fountain Pen Ink

Date: 17/02/2009

Revision Date : 14.04.07 page 1/4

**1. Product Name and Code**

1. Product description: Ink brown Code: 14343

**Name, full address and tel. of company:**

Rudolf Sellner GesmbH

Freilingerstraße 102

A-4614 Marchtrenk

Phone: 07242/46358

Fax: +43(0)7242/46358-15

Responsible dept.: Quality assurance: Phone: +43(0)7242/46358-37

email: [Schinkinger@sellner-tp.at](mailto:Schinkinger@sellner-tp.at)

**2. HAZARDS IDENTIFICATION**

**Hazard description:** Not applicable.

**Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**3. COMPOSITION/INFORMATION OF INGREDIENTS**

**Chemical Characteristic** : aqueous solution of dyestoff and Preservative.

**4. FIRST AID MEASURES**

**General information:** No special measures required.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms persist consult doctor.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** N/A

**Recommendations:** N/A

**SELLNER TINTENPATRONEN**  
**Safety Data Sheet in Accordance with 91/155/EEC**

reworked according to 2001/58/EG

Product Name: Fountain Pen Ink

Date: 17/02/2009

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**6. ACCIDENTAL RELEASE MEASURES**

**Person-related safety precautions:** Not required.

**Measures for environmental protection:**

Dilute with plenty of water.

**Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**Additional information:** No dangerous substances are released.

**7. HANDLING AND STORAGE**

**Handling:**

**Information for safe handling:** No special measures required.

**Information about fire - and explosion protection:** No special measures required.

**Storage:**

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Measures**

NA

**Exposure Limits**

**Occupational exposure limits for**

CAS-No. Names

N/A.

**Personal protection**

**Respiratory protection:** N/A

**Hand protection:** N/A

**Eye protection:** N/A

**Skin protection** All parts of the body should be washed after contact.

**SELLNER TINTENPATRONEN**  
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Product Name: Fountain Pen Ink

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**9. PHYSIKAL AND CHEMICAL PROPERTIES**

Form: Fluid  
 Colour: According to the product specification  
 Odour: Characteristic

Important information on protection of health and environment, and on safety.

Change in condition

Melting point/Melting range:	0°C
Boiling point/Boiling range:	100°C
Flash point:	Not applicable.
Self-igniting:	Product is not self igniting.
Danger of explosion:	Product does not present an explosion hazard.
Vapour pressure at 20°C:	23 hPa
Density at 20°C:	1.08 g/cm <sup>3</sup>
Solubility in / Miscibility with water:	Fully miscible.
pH-value at 20°C:	5
Viscosity: Dynamic at 20°C:	1.1 mPas
Solvent content:	0%
Organic solvents:	3 %
Water:	94.8 %

**10. STABILITY AND REACTIVITY**

**Thermal decomposition / conditions to be avoided:**  
 No decomposition if used according to specifications.  
**Dangerous reactions** No dangerous reactions known.  
**Dangerous decomposition products:** No dangerous decomposition products known.

**11. TOXIOLOGICAL INFORMATION**

**Acute toxicity:**  
**Primary irritant effect:**  
 on the skin: No irritant effect.  
 on the eye: No irritating effect.  
**Sensitization:** No sensitizing effects known.  
**Additional toxicological information:**  
 The product is not subject to classification according to the calculation method of the General EU  
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 When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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**12. ECOLOGICAL INFORMATION****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13. DISPOSAL CONSIDERATIONS****Product:**

Recommendation Smaller quantities can be disposed of with household waste.

**European waste catalogue**

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMEL ADHESIVES, SEALANTS AND PRINTING INKS

08 01 00 wastes from MFSU and removal of paint and varnish

08 01 13 sludges from paint or varnish containing organic solvents or other dangerous substances

**Uncleaned packaging:**

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

**14. TRANSPORT INFORMATION**

ADR, ADNR, RID, IATA, IMDG : N/A

**15. REGULATORY INFORMATION****Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on

Hazardous Materials (Austria GefStoffV).

**16. OTHER INFORMATIONS**

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.

**SELLNER TINTENPATRONEN**  
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reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

Date: 17/02/2009

Revision Date : 12.11.2007 1/4

**1. Product Name and Code**

1. Product description: Ink green Code: 14341

**Name, full address and tel. of company:**

Rudolf Sellner GesmbH

Freilingerstraße 102

A-4614 Marchtrenk

Phone: 07242/46358

Fax: +43(0)7242/46358-15

Responsible dpt.: Quality assurance: Phone: +43(0)7242/46358-37

email: [Schinkinginger@sellner-tp.at](mailto:Schinkinginger@sellner-tp.at)**2. HAZARDS IDENTIFICATION****Hazard description:** Not applicable.**Information concerning particular hazards for human and environment:**  
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The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**3. COMPOSITION/INFORMATION OF INGREDIENTS**

Chemical Characterization: aqueous solution of dyestuffs and additives.

**4. FIRST AID MEASURES****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If symptoms persist consult doctor.

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**5. FIRE-FIGHTING MEASURES**

Extinguishing media: N/A

Recommendations: N/A

**6. ACCIDENTAL RELEASE MEASURES**

Person-related safety precautions: Not required.

Measures for environmental protection:

Dilute with plenty of water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional information: No dangerous substances are released.

**7. HANDLING AND STORAGE**

Handling:

Information for safe handling: No special measures required.

Information about fire - and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Measures

NA

Exposure Limits

Occupational exposure limits for

CAS-No. Names

N/A.

Personal protection

Respiratory protection: N/A

Hand protection: N/A

Eye protection: N/A

Skin protection All parts of the body should be washed after contact.

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**9. PHYSIKAL AND CHEMICAL PROPERTIES**

Form: Fluid  
Colour: According to the product specification  
Odour: Characteristic

Important information on protection of health  
and environment, and on safety.

**Change in condition**

<b>Melting point/Melting range:</b>	0°C
<b>Boiling point/Boiling range:</b>	100°C
<b>Flash point:</b>	Not applicable.
<b>Self-igniting:</b>	Product is not self igniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Vapour pressure at 20°C:</b>	23 hPa
<b>Density at 20°C:</b>	1,08 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with water:</b>	Fully miscible.
<b>pH-value at 20°C:</b>	5
<b>Viscosity: Dynamic at 20°C:</b>	1,1 mPas
<b>Solvent content:</b>	0%
<b>Organic solvents:</b>	1,2
<b>Water:</b>	96,6 %

**10. STABILITY AND REACTIVITY**

**Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
**Dangerous reactions** No dangerous reactions known.  
**Dangerous decomposition products:** No dangerous decomposition products known.

**11. TOXIOLOGICAL INFORMATION**

**Acute toxicity:**  
**Primary irritant effect:**  
**on the skin:** No irritant effect.  
**on the eye:** No irritating effect.  
**Sensitization:** No sensitizing effects known.  
**Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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**12. ECOLOGICAL INFORMATION**

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13. DISPOSAL CONSIDERATIONS**

**Product:**

**Recommendation:** Smaller quantities can be disposed of with household waste.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**14. TRANSPORT INFORMATION**

ADR, ADNR, RID, IATA, IMDG : N/A

**15. REGULATORY INFORMATION**

**Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on

Hazardous Materials (Austria GefStoffV).

**16. OTHER INFORMATIONS**

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.