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SELLNER TINTENPATRONEN

Safety Data Sheet in Accordance with 91/155/EEC

reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

<u>Date: 17/02/2009</u> 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: 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 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.

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

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 3/4

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 ³
Solubility in / Miscibility with water:	Fully miscible.
pH-value at 20°C;	5
Viscosity: Dynamic at 20°C:	1,1 mPas
Solvent content:	
Organic solvents:	1,2
Water:	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

Safety Data Sheet in Accordance with 91/155/EEC

reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

<u>Date: 17/02/2009</u> 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

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: 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 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.

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

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 3/4

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

0°C
100°C
Not applicable.
Product is not self igniting.
Product does not present an explosion hazard.
23 hPa
1,08 g/cm ³
Fully miscible.
9,5
1,1 mPas
0%
1,8%
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. 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

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

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 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: 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

<u>Chemical Characteristic</u>: 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: Rinsc 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

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 2/4

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

NΑ

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

Safety Data Sheet in Accordance with 91/155/EEC

reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

<u>Date: 17/02/2009</u> <u>Revision Date: 15.11.2007 page_3/4</u>

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:	<u>0°C</u>
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 ³
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

Safety Data Sheet in Accordance with 91/155/EEC

reworked according to 1907/2006/EG

Product Name: Fountain Pen Ink

<u>Date: 17/02/2009</u> Revision Date: 15.11,2007 page 4/4

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

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

 \boxtimes

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 (88 % water)

Hazardous Substances:

Chem. Description:

Ethylen glycol

Concentration:

< 5 %

CAS-No.:

107-21-1

Risk Symbol:

Χn

R-Sets:

R 22

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.

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 a/cm²

Density: 1,03 g/cm³ Vapour pressure: n.d.

Viscosity: 1,5 mm²/s at 25°C

Conductivity: n.d.
Solublity 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.

Aratrum GmbH	Page 4 of 4
Released: 05 08 2003	Printed: 17.05.04

14. Information about Transport

gradients and grade to

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.

Safety Data Sheet in Accordance with 91/155/EEC

reworked according to 2001/58/EG

Product Name: Fountain Pen Ink

<u>Date: 17/02/2009</u> 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 dpt.: Quality assurance: Phone: +43(0)7242/46358-37

email: 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

<u>Chemical Characteristic</u>: 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

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 2/4

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

Safety Data Sheet in Accordance with 91/155/EEC

reworked according to 2001/58/EG

Product Name: Fountain Pen Ink

<u>Date: 17/02/2009</u> Revision Date: 14.04.07 page 3/4

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:	<u>√ 100°C</u>
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 ³
Solubility in / Miscibility with water:	Fully miscible.
pH-value at 20°C:	<u>_5</u>
Viscosity: Dynamic at 20°C:	1,1 mPas
Solvent content:	0%
Organic solvents:	<u>3 %</u>
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

Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any

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 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.

European waste catalogue

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

1,

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