

Cedex Reagent Kit

Article Number 7 60 50 00 00

Product Information

Product Name Cedex Reagent Kit

Article Number 7 60 50 00 00

Components

Description Cleaning Solution
Trypan Blue Solution (0,2%)
Cedex Detergent (3% V/V Mucosol)

Transport Information

Shipping Name	None	
ICAO UN/ID Number	None	
IATA Packing Group	None	
IATA	Hazard Class	None
	Subsidiary Risk	None
	Special Provisions	None
IMDG	Hazard Class	None
	Subsidiary Risk	None
	Special Provisions	None
	Marine Pollutant	No
US DOT	Hazard Class	None
	Subsidiary Risk	None
	Special Provisions	None
	Marine Pollutant	Not applicable (n/a)
EUROPEAN ADR	ADR Classification	None
	Subsidiary Risk	None
	Item Number and Letter	None

Date of print: 05/22/ 2007
Revision date: 05/22/ 2007
Date of first version: 09/28/ 2006

MATERIAL SAFETY DATA SHEET

in accordance with Directives 91/155/EEC + 93/112/EEC and ISO 11014-1



Cleaning Solution

Component of Cedex Reagent Kit

Article Number 7 60 50 00 00

Page 2 of 10

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Commercial Product name: Cleaning Solution

Company/undertaking identification

Manufacturer / distributor: innovatis AG
Street/POB-No.: Meisenstraße 96
State/city/postal code: D-33607 Bielefeld
World Wide Web: <http://www.innovatis.com>
Telephone: 0049 [0] 521 2997-300
Fax: 0049 [0] 521 2997-285
Email: info@innovatis.com
Emergency information: Not required

2. Composition/information on ingredients

Constituents:	CAS#	EINECS #.	Chemical name (acc. to EC)	R-phrase(s)	Symbol(s)	Content
	64-17-5	200-578-6	Ethanol	R11	F	22% (V/V)
	7778-53-2		Tripotassium phosphates, tribasic	R36/38	Xi	<=1%
	7732-18-5	231-791-2	Water			>=78%
			Surfactant			

3. Hazard identification

Hazard Symbol(s): Not applicable

Critical hazard to man and environment:

4. First aid measures

After inhalation: Provide fresh air.
After skin contact: Flush skin with water.
After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult physician if problems persist.
After swallowing: Do not induce vomiting. Danger of foam aspiration! Seek medical attention.

5. Fire fighting measures

Suitable extinguishing media: Carbon dioxide, solid extinguishing agent or adequate foam
Extinguisher unsuitable on safety grounds: None
Particular hazards arising from the preparation itself, combustion products or resulting gases: In case of fire forms: carbon monoxide and carbon dioxide. Flammable liquid.

6. Accidental release measures

Environmental precautions: No special requirements.
Additional information: Collect mechanically using liquid-binding material (sand, diatomaceous earth, universal binding agents). Dispose of waste in accordance with local, state, and federal regulations.

7. Handling and storage

Handling

Information for safe handling: During handling chemical products the normal precautionary measures should be followed.
Precautions against fire and explosion: Flammable.

Storage

Requirement for storerooms and containers: Keep container tightly closed. Keep away from heat, sparks and flames. Store in a cool, dry place.
Storage class: -

Cleaning Solution

Component of Cedex Reagent Kit

Article Number 7 60 50 00 00

8. Exposure controls / personal protection

Information on system design and engineering measures

See information in chapter 7, storage section

Personal protection equipment

Respiratory protection:	Provide adequate ventilation.
Hand protection:	On demand: protective gloves.
Eye protection:	On demand: safety glasses.
General protection and hygiene measures:	Wash hands after having worked with the material.

9. Physical and chemical properties

Appearance

Form:	Liquid
Color:	Light green
Odor:	Some characteristic odor

Safety relevant data

pH value:	At 68°F (20° C): 11.5-12.5
Boiling temperature/boiling range:	n/a
Melting point/melting range:	n/a
Flash point:	n/a
Density:	n/a
Solubility in water:	n/a

10. Stability and reactivity

Additional information

Hazardous decomposition products:	In case of fire form: carbon monoxide and carbon dioxide.
Thermal decomposition:	n/a
Additional information:	Stable

11. Toxicological information

Toxicological tests

Additional information:	Following skin contact: Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
-------------------------	--

12. Ecological information

Details of elimination (decomposition and persistence)

Further details:	Product is easily biodegradable.
------------------	----------------------------------

Ecotoxicological effects

Water risk class (Germany)	1, mild water pollutant.
----------------------------	--------------------------

Additional ecological information

General remarks:	Do not allow to enter ground soil, sewage or drains.
------------------	--

13. Disposal considerations

Product

Recommendation:	Dispose of waste according to applicable local, state and federal regulations.
Waste key number (D):	n.o.s. (not otherwise specified)
Waste key number (EU):	n.o.s. (not otherwise specified)

Contaminated packaging

Recommendation:	Dispose of waste according to applicable local, state and federal regulations.
Waste key number (D):	
Waste key number (EU):	

Date of print: 05/22/ 2007
Revision date: 05/22/ 2007
Date of first version: 09/28/ 2006

MATERIAL SAFETY DATA SHEET

in accordance with Directives 91/155/EEC + 93/112/EEC and ISO 11014-1



Cleaning Solution

Component of Cedex Reagent Kit

Article Number 7 60 50 00 00

Page 4 of 10

14. Transport information

Overland transport

ADR/GGVS (road): Not regulated
RID/GGVE (railway): Not regulated

Transport by sea

Remarks: Not regulated

Air transport

Remarks: Not regulated

Additional information

Not a hazardous material with respect to transportation regulations.

15. Regulatory information

Classification

Code letter and hazard symbol: n/a
R phrase(s): R- Not required
S phrase(s): S1/2 Keep locked up and out of the reach of children.

National regulations

VbF classification: -
Water risk class (Germany): 1, mild water pollutant

16. Other information

Group that issues data sheet

Contact person: See chapter 1, department responsible for information

Cleaning Solution is used in the Cedex for automatically cleaning the liquid management system.
Refer to the instructions in the Cedex User Manual.

To the best of our knowledge, the above information describes exclusively the safety requirements of the product. It does not constitute a guarantee for the properties of the product described in terms of the legal warranty regulations.

MATERIAL SAFETY DATA SHEET

in accordance with Directives 91/155/EEC + 93/112/EEC and ISO 11014-1

Trypan Blue Solution (0,2%)

Component of Cedex Reagent Kit

Article Number 7 60 50 00 00

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Commercial Product name: Trypan Blue solution

Company/undertaking identification

Manufacturer / distributor: innovatis AG
Street/POB-No.: Meisenstraße 96
State/city/postal code: D-33607 Bielefeld
World Wide Web: <http://www.innovatis.com>
Telephone: 0049 [0] 521 2997-300
Fax: 0049 [0] 521 2997-285
Email: info@innovatis.com
Emergency information: not required

2. Composition/information on ingredients

Constituents:	CAS#	EINECS #.	Chemical name (acc. to EC)	R-phrase(s)	Symbol(s)	Content
	72-57-1	200-786-7	Trypan Blue (Sodium ditolyldisazobis-8-amino-1-naphthol-3,6 disulfonate (C ₃₄ H ₂₄ N ₆ Na ₄ O ₁₄ S ₄))	R40, R45, R 61	T	0,2%
	7647-14-5	231-598-3	sodium chloride	-	-	<1%
	7758-11-4	231-834-5	potassium phosphate, dibasic	R36/37/38	Xi	<0,1%
	7732-18-5	231-791-2	water	-	-	>99%

3. Hazard identification

Hazard Symbol(s):



Critical hazard to man and environment:

R40 Possible risks of irreversible effects
R45 May cause cancer
R61 May cause harm to the unborn child

4. First aid measures

After inhalation: Provide fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

After skin contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur.

After eye contact: Immediately flush eyes with plenty of flowing water for at least 15 minutes holding eyelids apart. Get medical attention immediately.

After swallowing: Give 3-4 glasses of water but DO NOT induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious person. Seek medical attention.

5. Fire fighting measures

Suitable extinguishing media: Use media suitable for the material that is burning.

Extinguisher unsuitable on safety grounds: Will not burn

Particular hazards arising from the preparation itself, combustion products or resulting gases: None. Will not burn

6. Accidental release measures

Environmental precautions: Absorb with Fuller's earth, vermiculite or other similar material. Sweep up and place in a compatible container for disposal.

Additional information: Avoid contact with eyes.

Trypan Blue Solution (0,2%)

Component of Cedex Reagent Kit

Article Number 7 60 50 00 00

7. Handling and storage

Handling

Information for safe handling: Avoid contact with eyes. Do not pipette by mouth.
Precautions against fire and explosion: No special requirements. Will not burn.

Storage

Requirement for storerooms and containers: Store in a cool, dry place. Keep container tightly sealed.
Storage class: Suitable for most general chemical storage areas.

8. Exposure controls / personal protection

Information on system design and engineering measures

See information in chapter 7, storage section

Personal protection equipment

Respiratory protection: None required under normal use conditions.
Hand protection: Wear protective gloves.
Eye protection: Wear protective safety glasses.
General protection and hygiene measures: Standard work clothing, do not pipette by mouth.

9. Physical and chemical properties

Appearance

Form: Liquid
Color: Blue
Odor: None

Safety relevant data

pH value: Neutral
Boiling temperature/boiling range: 100 °C
Melting point/melting range: 0 °C
Density: 1 g/cm³
Solubility in water: 100%

10. Stability and reactivity

Additional information

Hazardous decomposition products: Sulfur dioxide, nitrogen oxides, carbon monoxide, carbon dioxide.
Thermal decomposition:
Additional information: Stable. Avoid elevated temperatures.

11. Toxicological information

Toxicological tests

Additional information: The International Agency for Research on Cancer has classified Trypan Blue as possibly carcinogenic to humans. Harmful by inhalation, ingestion and if absorbed through the skin. Known animal carcinogen. Experimental teratogen. May cause liver damage.

12. Ecological information

Details of elimination (decomposition and persistence)

Further details: --

Ecotoxicological effects

Water risk class (Germany) -

Additional ecological information

General remarks: No information available

MATERIAL SAFETY DATA SHEET

in accordance with Directives 91/155/EEC + 93/112/EEC and ISO 11014-1



Trypan Blue Solution (0,2%) Component of Cedex Reagent Kit

Article Number 7 60 50 00 00

13. Disposal considerations

Product

Recommendation: Observe all federal, state and local laws and regulations.
Waste key number (D): n/a
Waste key number (EU): n/a

Contaminated packaging

Recommendation: n/a
Waste key number (D): n/a
Waste key number (EU): n/a

14. Transport information

Overland transport

ADR/GGVS (road): Not regulated
RID/GGVE (railway): Not regulated

Transport by sea

Remarks: Not regulated

Air transport

Remarks: Not regulated

Additional information

-

15. Regulatory information

Classification

Code letter and hazard symbol:	T	Toxic
R phrase(s):	R40, R45, R61	See Section 3
S phrase(s):	S23	Do not breath the gas/fumes/vapor/spray
	S45	In case of accident or if you feel unwell, seek medical advice immediately
	S61	Avoid release to the environment.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

National regulations

VbF classification: Not regulated
Water risk class (Germany): Not regulated

16. Other information

Group that issues data sheet

Contact person: See chapter 1, department responsible for information

Trypan Blue is used in the Cedex for staining cell samples. Refer to the instructions in the Cedex User Manual.

To the best of our knowledge, the above information describes exclusively the safety requirements of the product. It does not constitute a guarantee for the properties of the product described in terms of the legal warranty regulations.

MATERIAL SAFETY DATA SHEET

in accordance with Directives 91/155/EEC + 93/112/EEC and ISO 11014-1

Cedex Detergent (3% Mucosol) Component of Cedex Reagent Kit

Article Number 7 60 50 00 00

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Commercial Product name: Cedex Detergent

Company/undertaking identification

Manufacturer / distributor: innovatis AG
Street/POB-No.: Meisenstraße 96
State/city/postal code: D-33607 Bielefeld
World Wide Web: <http://www.innovatis.com>
Telephone: 0049 [0] 521 2997-300
Fax: 0049 [0] 521 2997-285
Email: info@innovatis.com
Emergency information: not required

2. Composition/information on ingredients

Constituents:	CAS#	EINECS #.	Chemical name (acc. to EC)	R-phrase(s)	Symbol(s)	Content
	7778-53-2		Tripotassium phosphates, tribasic	R36/38	Xi	<=1 %
	7732-18-5	231-791-2	Water Surfactant			>99 %

3. Hazard identification

Hazard Symbol(s): Not applicable

Critical hazard to man and environment:

4. First aid measures

After inhalation: n/a
After skin contact: Flush skin with water.
After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult physician if problems persist.
After swallowing: Do not induce vomiting. Danger of foam aspiration! Seek medical attention.

5. Fire fighting measures

Suitable extinguishing media: Product is non-flammable. Extinguishing materials should be selected according to the surrounding area and material.
Extinguisher unsuitable on safety grounds: None
Particular hazards arising from the preparation itself, combustion products or resulting gases: In case of fire may form: carbon monoxide and carbon dioxide.

6. Accidental release measures

Environmental precautions: Do not allow to enter ground soil, sewage or drains
Additional information: Collect mechanically using liquid-binding material (sand, diatomaceous earth, universal binding agents). Dispose of waste in accordance with local, state, and federal regulations.

7. Handling and storage

Handling

Information for safe handling: During handling chemical products the normal precautionary measures should be followed.
Precautions against fire and explosion: Not required.

Storage

Requirements for storerooms and containers: Keep container closed tightly.
Storage class: -

Cedex Detergent (3% Mucosol) Component of Cedex Reagent Kit

Article Number 7 60 50 00 00

8. Exposure controls / personal protection

Information on system design and engineering measures

See information in chapter 7, storage section

Personal protection equipment

Respiratory protection:	Provide adequate ventilation.
Hand protection:	On demand: protective gloves.
Eye protection:	On demand: safety glasses.
General protection and hygiene measures:	Wash hands after having worked with the material.

9. Physical and chemical properties

Appearance

Form:	Liquid
Color:	Light green
Odor:	Odourless

Safety relevant data

pH value:	At 68°F (20°C): 11.5-12.5
Boiling temperature/boiling range:	>=212 F (>=100°C)
Melting point/melting range:	<=32°F (<=0°C)
Density:	At 68°F (20°C): 1.011-1.013 g/mL
Solubility in water:	At 68°F (20°C): completely miscible

10. Stability and reactivity

Additional information

Hazardous decomposition products:	In case of fire may form: carbon monoxide and carbon dioxide.
Thermal decomposition:	>100°C
Additional information:	Stable

11. Toxicological information

Toxicological tests

Additional information:	Following skin contact: Prolonged/repetitive skin contact may cause skin defatting or dermatitis.
-------------------------	--

12. Ecological information

Details of elimination (decomposition and persistence)

Further details:	Product is easily biodegradable.
------------------	----------------------------------

Ecotoxicological effects

Water risk class (Germany)	1, mild water pollutant.
----------------------------	--------------------------

Additional ecological information

General remarks:	Do not allow to enter ground soil, sewage or drains.
------------------	--

13. Disposal considerations

Product

Recommendation:	Dispose of waste according to applicable local, state and federal regulations.
Waste key number (D):	59402, surfactants
Waste key number (EU):	070699, refuse n.o.s. (not otherwise specified)

Contaminated packaging

Recommendation:	Dispose of waste according to applicable local, state and federal regulations.
Waste key number (D):	
Waste key number (EU):	

MATERIAL SAFETY DATA SHEET

in accordance with Directives 91/155/EEC + 93/112/EEC and ISO 11014-1



Cedex Detergent (3% Mucosol) Component of Cedex Reagent Kit

Article Number 7 60 50 00 00

14. Transport information

Overland transport

ADR/GGVS (road): Not regulated
RID/GGVE (railway): Not regulated

Transport by sea

Remarks: Not regulated

Air transport

Remarks: Not regulated

Additional information

Not a hazardous material with respect to transportation regulations.

15. Regulatory information

Classification

Code letter and hazard symbol: n/a
R phrase(s): R- Not required
S phrase(s): S1/2 Keep locked up and out of the reach of children.

National regulations

VbF classification: -
Water risk class (Germany): 1, mild water pollutant

16. Other information

Group that issues data sheet

Contact person: See chapter 1, department responsible for information

Cedex Detergent is used in the Cedex for automatically cleaning the liquid management system. Refer to the instructions in the Cedex User Manual.

To the best of our knowledge, the above information describes exclusively the safety requirements of the product. It does not constitute a guarantee for the properties of the product described in terms of the legal warranty regulations.