

## SAFETY DATA SHEET

**Editing date:** 14.04.2003

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**Revision date:** 21.12.2010

**Comercial mixture name:** **AQUARINE BLACK TK**

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

#### 1.1. Mixture identifier :

Trade name:	<b>AQUARINE BLACK TK</b>
Chemical name:	
Index No:	Mixture – valid only for substances
Identification No. in accordance with List Agency	
ECHA:	
CAS No.:	Mixture – valid only for substances
EINECS :	Mixture – valid only for substances

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

Dyestuff	Textile dyeing and printing
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#### 1.3. Details of the supplier of the safety data sheet:

Company:	inoTEX, s.r.o.
Place of business:	544 28 Dvůr Králové nad Labem, ČR
Identification No.:	47451963
Phone:	+420 499 320140 +420 499 320240 +420 499 316321
Telex:	
Fax:	+420 499 320149
e-mail:	inotex@inotex.cz <a href="mailto:bartusek@inotex.cz">bartusek@inotex.cz</a>
Producer:	Tennants Textiles Colours Limited Ravenhill Road, Belfast, BT 8DP, U.K. tel: +44-1232-451396 fax: +44-1232-458944

#### 1.4. Emergency telephone number:

Emergency :	+ 42 02 24 91 92 93 +42 02 24 91 54 02 + 42 02 24 91 45 75 Centre for toxicological informations Na Bojišti 1, 128 08 Prague 2
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### 2. Hazards identification

#### 2.1. Classification substance or mixture:

Mixture is not classified as harmful substance

#### 2.2. Label elements:

#### 2.3. Other hazards:

This classification is based on safety data sheets of used compounds.

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### 3. Composition/ information on ingredients

3.1. Substances:

3.2. Mixtures:

*Chemical characterisation:* The dispersion of organic pigment in water containing a dispersant and desiccant

*Mixture contents these hazardous substances :* None

Chemical characterization:	1,2-Propandiol	Amoniak
Content (%):	<10%	< 1%
Index No.:	603-117-00-0	007-001-01-2
CAS No:	67-63-0	1336-21-6
ES(EINECS) No:	200-661-7	215-647-6
Symbols of danger:	F,Xi	C,N
R-phrases:	R-11 R-36 R-67	R-34 R-50
S-phrases:		
Community workplace exposure limit	ano – viz bod 8	ano – viz bod 8
Substance PBT	ne	ne
Classification GHS:		
Signal word :	Danger	Danger
Class code and category:	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	Skin Corr. 1B Aquatic Acute 1 STOT SE 3
Hazard statement:	H225 H319 H336	H314 H400 H335

Note: All compounds are registered on the list EINECS/ELINCS  
Full version R, H, S -phrases is indicated in section 16

### 4. First-aid measures

4.1. *Description of first aid measures:*

*General measures:*

Mixture is not classified as harmful substance. General rules for chemical handling are necessary to be respected. Do not eat, drink or smoke during handling. Wash hands carefully after handling. Avoid contact with skin, take off contaminated clothing. Protect hands with gloves and eyes with glasses or eye shield.

*By inhalation:*

Move the exposed person to fresh air, release clothing. If symptoms occur, call a doctor.

*By skin contact:*

Wash skin with bulk of water and soap, take off contaminated clothing. Use appropriate cream afterwards.

*By eye contact:*

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Rinse eyes immediately with bulk of running water, until irritation subsides. Immediately seek medical advice.

*By ingestion:*

Not toxic. Wash out mouth with water. If swallowed, drink 0.5 l of water. Keep at rest, seek medical advice.

4.2. *Most important symptoms and effects, both acute and delayed:*

4.3. *Indication of any immediate medical attention and special treatment needed:*

### 5. Fire-fighting measures

5.1. <i>Suitable extinguishing media:</i>	Foam, powder, sand ,Carbon dioxide
5.2. <i>Extinguishing media which must not be used:</i>	
5.3. <i>Special hazards arising from the substance or mixture:</i>	In case of fire may liberate carbon oxides and nitrogen
5.4. <i>Special protective equipment for fire-fighters:</i>	Self breathing apparatus, protective cloth.
5.5. <i>Other data:</i>	May form explosive dust-air mixtures

### 6. Accidental release measures

6.1. <i>Personal precautions, protective equipment and emergency procedures:</i>	see point 8
6.2. <i>Environmental precautions:</i>	Keep away from drains and ground water. Avoid contamination of soil and each water source.
6.3. <i>Methods of cleaning up and disposed:</i>	Absorb bigger quantities into absorbing material – sand, sawdust, rag, special absorbing material (Vapex, Fibroil). Small quantities can be rinsed off using water. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing.
6.4. <i>Other information:</i>	

### 7. Handling and storage

7.1. <i>Precautions for safe handling:</i>	When using do not eat, drink or smoke Take off contaminated clothing Avoid contact with eyes and skin Do not breathe dust Keep away from sources of ignition -- No smoking. Avoid formation electrostatic charge
7.2. <i>Conditions for safe storage, including any incompatibilities:</i>	Store in cool, dry conditions in well sealed receptacles. Store receptacle in a well ventilated area. Storage period 60 months. Do not store together with strong oxidizing agents.
7.3. <i>Specific end use(s):</i>	

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### 8. Exposure controls / personal protection

8.1.	<p><i>Control parameters:</i> <i>Exposure limit values:</i></p>	<p>amoniak: LTEL TWA 18 mg/m<sup>3</sup> (25 ppm) (8 h) STEL 25 mg/m<sup>3</sup> (35 ppm). (15 min) 1,2 propandiol : LTEL TWA 474 mg/ m<sup>3</sup> celkem (8 h)</p> <p>According NV 178/2001Sb.: Amoniak: PEL 14 mg/m<sup>3</sup> NPK-P 36 mg/m<sup>3</sup> 1,2 propandiol: PEL 500 mg/m<sup>3</sup> NPK-P 1000 mg/m<sup>3</sup></p> <p><i>Occupational Exposure Limit (OEL):</i> <i>Biological limit values DNEL :</i> <i>EQL: water</i> air ground <i>PNEC: water</i> air ground</p>
8.2.	<p><i>Risk Management Measure (RMM):</i></p>	<p>ventilation with protection against formation electrostatic charge</p>
8.2.1.	<p><i>Appropriate engineering controls:</i></p>	
8.2.2.	<p><i>Individual protection measures, such as personal protective equipment:</i></p> <ul style="list-style-type: none"> <li>- respiratory protection</li> <li>- hand protection</li> <li>- eye protection</li> <li>- skin protection</li> </ul>	<p>ventilation, use waterproof gloves protective glasses or eye shield working cloth</p>
8.2.3.	<p><i>Environmental exposure controls:</i></p>	<p>Accidents –see 6 Storage – see 7.2</p>

### 9. Physical and chemical properties

9.1.	<p><i>Information on basic physical and chemical properties:</i></p> <p><i>Physical state :</i> (20°C)</p> <p><i>Colour:</i></p> <p><i>Odour:</i></p> <p><i>pH values :</i> (100g/l, 20°C)</p> <p><i>Boiling point/ range:</i></p> <p><i>Flash point/ range:</i></p> <p><i>Melting point/ range:</i></p> <p><i>Flammability:</i></p> <p><i>Auto flammability:</i></p> <p><i>Explosive properties: - high limit (%vol.)</i></p>	<p>liquid</p> <p>black</p> <p>weak</p> <p>8-10</p> <p>100°C</p> <p>unknown</p> <p>unknown</p> <p>not flammable</p> <p>not auto flammable</p> <p>not explosive</p>
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	<i>– low limit (%.vol.)</i>	
	<i>Oxidizing properties:</i>	not oxidative
	<i>Relative density:</i>	unknown
	<i>Solubility : -water solubility: (20°C)</i>	miscible
	<i>-fat solubility:</i>	unknown
	<i>(solvent oil to be specified):</i>	
	<i>Partition coefficient: n-octanol/water</i>	unknown
	<i>Viscosity:</i>	unknown
	<i>Vapour density:</i>	unknown
	<i>Evaporation rate:</i>	unknown
9.2.	<i>Other data:</i>	
	<i>Miscibility</i>	unknown
	<i>Solubility-fat solubility:</i>	unknown
	<i>conductivity,</i>	unknown
	<i>Gas group</i>	unknown
	<i>Auto-ignition temperature</i>	unknown
	<i>Thermal decomposition:</i>	unknown
	<i>Ignition temperature:</i>	

**10. Stability a reactivity**

	Stable under normal conditions of use.
10.1.	<i>Reactivity:</i> Unknown
10.2.	<i>Chemical stability:</i> Unknown
10.3.	<i>Possibility of hazardous reactions:</i> Unknown
10.4.	<i>Conditions to avoid:</i> May form explosive dust-air mixtures
10.5.	<i>Incompatible materials:</i> Strong oxidizing agents
10.6.	<i>Hazardous decomposition mixtures:</i> Unknown

**11. Toxicological information**

11.1.	<i>Information on toxicological effects:</i>
	<i>Acute toxicity :</i>
	-LD <sub>50</sub> , oral, rat (mg.kg <sup>-1</sup> ): >2000
	-LD <sub>50</sub> , dermal, rat or rabbit (mg.kg <sup>-1</sup> ):
	-LC <sub>50</sub> , by inhalation ,rat , aerosol or particles (mg.kg <sup>-1</sup> ):
	-LC <sub>50</sub> , by inhalation, rat , gasses and vapour (mg.kg <sup>-1</sup> ):
	<i>Sub chronic – chronic toxicity:</i>
	<i>Sensitization:</i> No sensitizing effects known
	<i>Karcinogenity:</i> No

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*Mutagenity:* No  
*Toxicity for remixtureion:* No  
*Experience with human body:*  
*Tests with animals:*  
*Other :*  
 Primary irritant effect:  
 · on the skin: No irritant effect.  
 · on the eye: No irritating effect.

### 12. Ecological information

12.1.	<i>Ecotoxicity:</i> <i>Acute toxicity on aquatic organisms</i> -LC <sub>50</sub> , 96hr, for fish (mg.l <sup>-1</sup> ) -EC <sub>50</sub> , 48hr, for Daphnia (mg.l <sup>-1</sup> ) -IC <sub>50</sub> , 72hr, for algae (mg.l <sup>-1</sup> )	unknown
	<i>Toxicity on activated sludge organisms:</i> OECD 209, EN ISO 8192:1995, ČSN 75 7734 EC <sub>50</sub> (mg.l <sup>-1</sup> )	unknown
12.2.	<i>Mobility:</i> <i>Distribution to environmental compartments:</i> <i>Surface tension:</i> <i>Absorption/desorption:</i>	unknown
12.3.	<i>Persistence and degradability:</i> <i>Biodegradability by activated sludge :</i>	unknown
12.4.	<i>Bioaccumulative potential:</i>	unknown
12.5.	<i>Results of PBT assessment:</i>	unknown
12.6.	<i>Other adverse effects:</i> AOX( mg.l <sup>-1</sup> ) Heavy metal ( mg.l <sup>-1</sup> )	unknown

### 13. Disposal considerations

13.1.	<i>Waste treatment methods:</i> Mixture can be incinerated in accordance with current local authority regulation . <i>Washed water from equipment's and containers:</i> Dispose of waste-water treatment plant <i>Sorptive materials:</i> Can be incinerated or landfi lled in accordance with current local authority regulation . <i>Methods of disposal for contaminated vessels:</i> Wash with water and return to the producer. Damaged vessels take off into waste management system.
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### 14. Transport information

Not listed as a hazardous substance in sense of transport regulation

<i>Road transport:</i>	Class:	Packing group:	
ADR/RID			
Warning table:		UN code:	
Note:			
Name of the substance:			
<i>Provincial water transport:</i> :	Class:	No./type:	
ADN/ADNR		Category:	
<i>Sea transport:</i>	Class:	UN code:	Packing group:
IMDG			
Substance contamination sea:			
Technical name:			
<i>Air transport:</i>	Class:	UN code:	Packing group:
ICAO/IATA			
Technical name:			
Note:	No dangerous cargo. Keep separated from foodstuffs.		
Other information:			

### 15. Regulatory information

15.1. *Safety, health and environmental regulations/legislation specific for the substance or mixture:*

**Mixture is not classified as harmful substance**

15.2. *Chemical safety assessment:*

**Examination chemical safety:**

**Authorisation info:**

### 16. Other information

#### Legend:

OEL Occupational Exposure Limit

DNEL Derived No Effect Exposure limit

EQS Environmental Quality Standard

PNEL Predicted No Effect Exposure Limit

RMM Risk Management Measure

PEL Permissible Exposure Limit (Czech regulation - Government declaration 361/2007 Sb)

NPK-P Top permissible concentration of chemical substance in air on workplace (Czech regulation - Government declaration 361/2007 Sb)

#### R,S, H-phrases:

R 11 Highly flammable

R 34 Causes burns

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- R 36 Irritating to eyes  
R 50 Very toxic to aquatic organisms  
R67 Vapours may cause drowsiness and dizziness

H225	Highly flammable liquid and vapour
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life..
H319	Causes serious eye irritation.

**Recommended restrictions on use:**

This informations are based on current stage of our knowledge and are intended to describe the mixture from safety requirements only.

This mixture should be stored and used in accordance with current regulations for industry good work and in accordance with other regulations.

*Source of key data used to compile the data sheet:*

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT  
AND OF THE COUNCIL

DIRECTIVE 2006/121/EC OF THE EUROPEAN PARLIAMENT  
AND OF THE COUNCIL

Government declaration No. 232/2004 Sb.

Commission Directive 91/325/EEC

Declaration MPO ČR 231/2004 Sb

Government declaration 361/2007 Sb

Law 356/2003 Sb.

Law 185/2001Sb.

Law 254/2001 Sb.

ADR 2003

Safety data sheet of components

EWC 2002

European Commission Decision 2001/118/EC (as amended by 2001/119/EC).

COMMISSION REGULATION (EU) No 453/2010

Regulation (EC) No 1272/2008 of the European Parliament and of the Council

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Comercial mixture name: **TEXAFIX HY****1. Identification of the substance/ preparation and of the company/ undertaking***1.1. Mixture identifier :*

Trade name:

**TEXAFIX HY**

Chemical name:

Index No:

Mixture – valid only for substances

Identification No. in accordance with List Agency

ECHA:

CAS No.:

Mixture – valid only for substances

EINECS :

Mixture – valid only for substances

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

Dispersion for use in coating pastes and for binding of non-woven textiles from PES fibres – final finishing

Textile industry auxiliary

*1.3. Details of the supplier of the safety data sheet:*

Company:

inoTEX, s.r.o.

Place of business:

544 28 Dvůr Králové nad Labem, ČR

Identification No.:

47451963

Phone:

+420 499 320140

+420 499 320240 +420 499 316321

Telex:

Fax:

+420 499 320149

e-mail:

inotex@inotex.cz

[bartusek@inotex.cz](mailto:bartusek@inotex.cz)*1.4. Emergency telephone number:*

Emergency :

+ 42 02 24 91 92 93 +42 02 24 91 54 02

+ 42 02 24 91 45 75

Centre for toxicological informations

Na Bojišti 1, 128 08 Prague 2

**2. Hazards identification***2.1. Classification substance or mixture:*

Mixture is not classified as harmful substance

*2.2. Label elements:**2.3. Other hazards:*

Repeated or long-termed contact with skin can cause irritation. Vapours or direct contact with eyes

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Comercial mixture name: **TEXAFIX HY**

can cause irritation. When inhaled, vapours or aerosols can cause irritation of breathing tract, cough, headache and similar symptoms. When swallowed mixture can cause irritation of digestion tract. Preparation is classified as a unsound substance to water according to Law 254/2001 Sb. declaration / Czech regulation/.

### 3. Composition/ information on ingredients

3.1. Substances: non

3.2. Mixtures:

*Chemical characterisation:*

*Mixture contents these hazardous substances : non*

Chemical  
characterization:  
Content (%):  
CAS No:  
ES(EINECS) No:  
Symbols of  
danger:  
R-phrases:  
S-phrases:  
Community  
workplace exposure  
limit  
Substance PBT  
Classification GHS:  
Signal word :  
Class code and  
category/ Hazard  
statement:  
:

Note: All compounds are registered on the list EINECS/ELINCS  
Full version R, H, S -phrases is indicated in section 16

### 4. First-aid measures

4.1. General measures:

Mixture is not classified as harmful substance. General rules for chemical handling are necessary to be respected. Do not eat, drink or smoke during handling. Wash hands carefully after handling. Avoid contact with skin, take off contaminated clothing. Protect hands with gloves and eyes with glasses or eye shield.

4.2. By inhalation:

Move the exposed person to fresh air, release clothing. If symptoms occur, call a doctor.

4.3. By skin contact:

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Wash skin with bulk of water and soap, take off contaminated clothing. Use appropriate cream afterwards.

- 4.4. *By eye contact:*  
Rinse eyes immediately with bulk of running water for at least 15 minutes, until irritation subsides. Immediately seek medical advice.
- 4.5. *By ingestion:*  
If swallowed, drink 0.5 l of water and do not provoke vomiting. Keep at rest, seek medical advice.
- 4.6. *Other data:*

### 5. Fire-fighting measures

- 5.1. *Suitable extinguishing media:* Water spray, carbon dioxide, foam, powder, sand
- 5.2. *Extinguishing media which must not be used:* Unknown
- 5.3. *Special exposure hazards:* Thermal decomposition under combustion, danger of release of CO<sub>x</sub>, acrylate monomers and hydrocarbons.
- 5.4. *Special protective equipment for fire-fighters:* Not necessary
- 5.5. *Other data:*

### 6. Accidental release measures

- 6.1. *Personal precautions:*  
see point 8
- 6.2. *Environmental precautions:*  
Don't release into drains and underground waters.. Avoid contamination of soil and each water source.  
Not diluted is not biodegradable and can endanger function of waste water treatment plants.
- 6.3. *Methods of cleaning up and disposed:*  
Absorb bigger quantities into absorbing material – sand, special absorbing material (Vapex, Fibroil).  
Small quantities can be rinsed off using water.
- 6.4. *Other data:*

### 7. Handling and storage

- 7.1. *Handling:*  
When using do not eat, drink or smoke  
In case of contact with eyes, rinse with plenty of water and seek medical advice  
Don't release into drains.  
Wear suitable protective clothing and protective gloves.  
Avoid releasing into environment.
- 7.2. *Storage:*  
Keep away from frost.  
Store at temperature between +5 and +30°C
- 7.3. *Specific use:*

### 8. Exposure controls and personal protection

- 8.1. *Exposure limit values:*  
*Control parameters:* unknown

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Comercial mixture name: **TEXAFIX HY**

Occupational Exposure Limit (OEL):

Biological limit values DNEL :

EQL: water

air

ground

PNEC: water

air

ground

8.2. Risk Management Measure (RMM):

ventilation and personal protective equipment

8.2.1. Personal protection:

- respiratory protection

- hand protection

- eye protection

- skin protection

Ventilation

use waterproof gloves

protective glasses or eye shield

working cloth

8.2.2. Environmental exposure controls:

Avoid releasing into soil and surface waters.

Accidents –see 6

Storage – see 7.2

## 9. Physical and chemical properties

9.1. General information:

Physical state : (20°C)

liquid

Colour:

white

Odour:

characteristic

9.2. Important health, safety and environmental information:

pH values : (100 g.l<sup>-1</sup>, 20°C)

5-6,5

Boiling point/ range:

ca 100 °C

Flash point:

not available

Flammability:

not flammable

Autoflammability:

not autoflammable

Explosive properties: - high limit (%vol.)

not explosive

- low limit (%vol.)

Oxidizing properties:

not oxidative

Relative density:

1,0– 1,1 g/cm<sup>3</sup>

Solubility : -water solubility: (20°C)

soluble

-fat solubility:

not available

(solvent oil to be specified):

Partition coefficient: n-octanol/water

not available

Viscosity:

<300mPa.s

Vapour density:

not available

Evaporation rate:

not available

9.3. Other data:

Miscibility

not available

Solubility-fat solubility:

not available

conductivity,

not available

Melting point/ range:

not available

Gas group

not available

Auto-ignition temperature

no auto-ignition

Thermic decomposition:

not available

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*Ignition temperature:* not available

**10. Stability a reactivity**

*Conditions under which mixture is stable:*

Stable under normal conditions of use.

*Conditions to avoid:*

Keep away from frost.

*Materials to avoid:*

Strong oxidizing agents. Acids alkali.

*Hazardous decomposition mixtures:*

Thermal decomposition under combustion, danger of release of COx, acrylate monomers and hydrocarbons.

*Other data:*

**11. Toxicological information**

*Acute toxicity :*

-LD<sub>50</sub>, orale, rat (mg.kg<sup>-1</sup>): >10000

-LD<sub>50</sub>, dermale, rat or rabbit (mg.kg<sup>-1</sup>): >2000

-LC<sub>50</sub>, by inhalation ,rat , aerosol or particles (mg.kg<sup>-1</sup>):

-LC<sub>50</sub>, by inhalation, rat , gasses and vapour (mg.kg<sup>-1</sup>):

*Subchronic – chronic toxicity:*

*Senzitization:*

*Carcinogenity:*

*Mutagenity:*

*Toxicity for remixtureion:*

*Experience with humanbody:*

*Tests with animals*

*Other :* Repeated or long-termed contact with skin can cause irritation. Vapours or direct contact with eyes can cause irritation. When inhaled, vapours or aerosols can cause irritation of breathing tract, cough, headache and similar symptoms. When swallowed mixture can cause irritation of digestion tract.

**12. Ecological information**

*12.1. Ecotoxicity:*

*Acute toxicity on aquatic organisms* unknown

-LC<sub>50</sub>, 96hr, for fish (mg.l<sup>-1</sup>)

-EC<sub>50</sub>, 48hr, for Daphnia (mg.l<sup>-1</sup>)

-IC<sub>50</sub>, 72hr, for algae (mg.l<sup>-1</sup>)

*Toxicity on activated sludge organisms:*

OECD 209, EN ISO 8192:1995, ČSN 75 7734 unknown

EC<sub>50</sub> (mg.l<sup>-1</sup>)

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12.2.	<i>Mobility:</i>	Mixture forms soluble substances in water. These diffuse in aquatic environment.
	<i>Distribution to environmental compartments:</i>	
	<i>Surface tension:</i>	
	<i>Absorption/desorption:</i>	
12.3.	<i>Persistence and degradability:</i>	
	<i>Biodegradability by activated sludge :</i>	
	OECD 302 B ,ISO 9888:1991, ČSN EN 29 888 (75 7772)	
12.4.	<i>Bioaccumulative potential:</i>	
12.5.	<i>Results of PBT assessment:</i>	
12.6.	<i>Other adverse effects:</i>	
	<i>COD (mg.g<sup>-1</sup>)</i>	746
	<i>BOD<sub>5</sub>(mg.g<sup>-1</sup>)</i>	7
	<i>TOC (mg.g<sup>-1</sup>)</i>	
	<i>AOX( mg.l<sup>-1</sup>)</i>	
	<i>Heavy metal ( mg.l<sup>-1</sup>)</i>	Mixture does not contain any halogehydrocarbons. The mixture does not contain heavy metal complexes.

### 13. Disposal consideration

*Methods of disposal for substance or preparation:*

European Waste Catalogue

16 05 09 discharged chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

Mixture can be incinerated in accordance with current local authority regulation .

Landfilling of the liquid mixture is not allowed.

Disposing in the waste water treatment plant is allowed only after preliminary pre-treatment (coagulation, flocculation, electroflotation) and separation of coagulated sludge, which can be incinerated in accordance with current local authority regulation.

*Washed water from equipments and containers:*

Dispose on waste-water treatment plant

*Sorptive materials:*

Can be incinerated or landfilled in accordance with current local authority regulation .

*Methods of disposal for contaminated vessels:*

Wash with water and return to the producer. Damaged vessels take off into waste management system.

### 14. Transport information

Not listed as a hazardous substance in sense of transport regulation

### 15. Regulatory information

Mixture is not classified as hazardous.

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Comercial mixture name: **TEXAFIX HY****16. Other information****Legend:**

OEL Occupational Exposure Limit

DNEL Derived No Effect Exposure limit

EQS Environmental Quality Standard

PNEL Prediced No Effekt Exposure Limit

RMM Risk Management Measure

PEL Permissible Exposure Limit (Czech regulation - Government declaration 361/2007 Sb)

NPK-P Top permissible concentration of chemical substance in air on workplace (Czech regulation - Government declaration 361/2007 Sb)

**Recommended restrictions on use:****Other information:**

Mixture can be applied for mixtureion of textiles with Ecolabelling like Öko-tex 100, Eco-tex, Euroecolabel 2002/371/EC, Ekologicky šetrný výrobek 18-07 (Czech ecolabel) and others complying with mentioned labellings.

This information are based on current stage of our knowledge and are intended to describe the mixture from safety requirements only.

This mixture should be stored and used in accordance with current regulations for industrie good work and in accordance with other regulations.

*Source of key data used to compile the data sheet:*REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT  
AND OF THE COUNCILDIRECTIVE 2006/121/EC OF THE EUROPEAN PARLIAMENT  
AND OF THE COUNCIL

Government declaration No. 232/2004 Sb. as amenden by act 369/2005Sbn. (Statute book)

Commission Directive 91/325/EEC

Declaration MPO ČR 231/2004 Sb

Government declaration 361/2007 Sb

Law 356/2003 Sb. as amenden by acts 186/2004 Sb., 125/2005 Sb., 345/2005 Sb., 222/2006 Sb., 371/2008 Sb.

Law 185/2001Sb. as amenden by acts 188/2004 Sb., 34/2008 Sb.

Collection International Covenants 14/2007 - ADR 2003

Safety data sheet of components

European Commission Decision 2001/118/EC (as amenden by 2001/119/EC).

**Revision II:** 1-16**Annex:**

**SAFETY DATA SHEET**

Editing date: 31.03.2005

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Revision date: 26.03.2008

Comercial product name: **TEXAFIX SW****1. Identification of the substance/ preparation and of the company/ undertaking**1.1. Identification of the substance or preparation /product name: **TEXAFIX SW**

Other means of identification:

CAS No., EINECS :

Product – valid only for substances

Registration No.:

Product – valid only for substances

1.2. Use of substance or product:

Fixing agent

Textile dyeing and printing

1.3. Company /undertaking identification:

Company:

inoTEX, s.r.o.

Place of business:

544 28 Dvůr Králové nad Labem,ČR

Identification No.:

47451963

Phone:

+420 499 320140

+420 499 320240 +420 499 316321

Telex:

Fax:

+420 499 320149

e-mail:

inotex@inotex.cz

[bartusek@inotex.cz](mailto:bartusek@inotex.cz)

Producer:

1.4. Emergency :

Emergency :

+ 42 02 24 91 92 93

+42 02 24 91 54 02

+ 42 02 24 91 45 75

Centre for toxicological informations

Na Bojišti 1, 128 08 Prague 2

**2. Hazards identification**

2.1. Classification substance/ preparation use:

Product is not classified as hazardous.

2.2. Most adverse health and environmental impacts during substance/ preparation use:

Preparation is classified as a unsound substance to water according to Law 254/2001 Sb. declaration / Czech regulation/.

2.3. Other data:

This classification is based on branche literature, safety data sheets of used compounds, laboratory tests.

**3. Composition/ information of ingredients**

3.1. Chemical characterisation:

3.2. Product contents these hazardous substances :

Chemical

any hazardous substances

## SAFETY DATA SHEET

**Editing date:** 31.03.2005

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**Commercial product name:** **TEXAFIX SW**

characterization:  
 Content (%):  
 CAS No:  
 ES(EINECS) No:  
 Symbols of  
 danger:  
 R-phrases:  
 S-phrases:  
 Community  
 workplace exposure  
 limit  
 Substance PBT

Note: All copounds are registred on the list EINECS/ELINCS

### 4. First-aid measures

#### 4.1. General measures:

Product is not classified as harmful substance. General rules for chemical handling are necessary to be respected. Do not eat, drink or smoke during handling. Wash hands carefully after handling. Avoid contact with skin, take off contaminated clothing. Protect hands with gloves and eyes with glasses or eye shield.

#### 4.2. By inhalation:

Move the exposed person to fresh air, release clothing. If symptoms occur, call a doctor.

#### 4.3. By skin contact:

Wash skin with bulk of water and soap, take off contaminated clothing. Use appropriate cream afterwards.

#### 4.4. By eye contact:

Rinse eyes immediately with bulk of running water for at least 15 minutes, until irritation subsides. Immediately seek medical advice.

#### 4.5. By ingestion:

If swallowed, drink 0.5 l of water and do not provoke vomiting. Keep at rest, seek medical advice.

#### 4.6. Other data:

### 5. Fire-fighting measures

#### 5.1. Suitable extinguishing media:

Water spray, carbon dioxid, foam, powder, sand

#### 5.2. Extinguishing media which must not be used:

Unknow

#### 5.3. Special exposure hazards:

Danger of release of toxic gasses. Don't inhale vapours.

#### 5.4. Special protective equipment for fire-fighters:

Self breathing apparatus, working cloth

#### 5.5. Other data:

In case of fire to cool containers by water foam.

### 6. Accidental release measures

#### 6.1. Personal precautions:

see point 8

#### 6.2. Environmental precautions:

Keep away from drains and ground water. Avoid contamination of soil and eache water source.

#### 6.3. Methods of cleaning up and disposed:

## SAFETY DATA SHEET

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**Comercial product name:** **TEXAFIX SW**

Absorb bigger quantities into absorbing material – sand, special absorbing material (Vapex, Fibroil).  
Collect spilled material in appropriate container for disposal. Small quantities can be rinsed off using water.  
Avoid contamination of surface water

6.4. *Other data:*

## 7. Handling and storage

7.1. *Handling:*

When using do not eat, drink or smoke  
Wear suitable protective clothing, gloves & eye/face protection.

7.2. *Storage:*

Keep container tightly closed in a dry, cold and well-ventilated place.  
Appropriate containers – plastic barrels.

7.3 *Specific use:*

## 8. Exposure controls and personal protection

8.1. *Exposure limit values:*

*Control parameters:*

*Occupational Exposure Limit (OEL):*

*Biological limit values DNEL :*

*EQL: water*

*air*

*ground*

*PNEC: water*

*air*

*ground*

8.2. *Risk Management Measure (RMM):*

ventilation with protection againts formation  
electrostatic charge, personal protective  
equipment

8.2.1. *Personal protection:*

- *respiratory protection*

- *hand protection*

- *eye protection*

- *skin protection*

Ventilation  
use waterproof gloves  
protective glasses or eye shield  
working cloth

8.2.2. *Environmental exposure controls:*

Avoid the contamination of soil and surface  
water.

Accidents –see 6

Storage – see 7.2

## 9. Physical and chemical properties

9.1. *General information:*

*Physical state :* (20°C)

liquid

*Colour:*

white

*Odour:*

odourless

9.2. *Important health, safety and environmental information:*

*pH values :* (100 g.l<sup>-1</sup>, 20°C)

8-9,5

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**Comercial product name:** **TEXAFIX SW**

<i>Boiling point/ range:</i>	ca 100 °C
<i>Flash point:</i>	not available
<i>Flammability:</i>	not flammable
<i>Autoflammability:</i>	not autoflammable
<i>Explosive properties: - high limit (%vol.)</i>	not explosive
<i>- low limit (%vol.)</i>	
<i>Oxidizing properties:</i>	not oxidative
<i>Relative density:</i>	1,0– 1,1g/cm <sup>3</sup>
<i>Solubility : -water solubility: (20°C)</i>	creates dispersion
<i>-fat solubility:</i>	not available
<i>(solvent oil to be specified):</i>	
<i>Partition coefficient: n-octanol/water</i>	not available
<i>Viscosity:</i>	not available
<i>Vapour density:</i>	not available
<i>Evaporation rate:</i>	not available
9.3. <i>Other data:</i>	
<i>Miscibility</i>	
<i>Solubility-fat solubility:</i>	not available
<i>conductivity,</i>	not available
<i>Melting point/ range:</i>	not available
<i>Gas group</i>	not available
<i>Auto-ignition temperature</i>	not autoflammable
<i>Termic decomposition:</i>	not available
<i>Ignition temperature:</i>	not available

**10. Stability a reactivity**

*Conditions under which product is stable:*

Stable under normal conditions of use.

*Conditions to avoid:*

No specific recommendations

*Materials to avoid:*

No specific recommendations

*Hazardous decomposition products:*

In case of fire danger of release of toxic gasses.

*Other data:*

**11. Toxicological information**

Results of test based on similar products

*Acute toxicity :*

-LD<sub>50</sub>, orale, rat (mg.kg<sup>-1</sup>): > 2000

-LD<sub>50</sub>, dermale, rat or rabbit (mg.kg<sup>-1</sup>):

-LC<sub>50</sub>, by inhalation ,rat , aerosol or particles (mg.kg<sup>-1</sup>):

-LC<sub>50</sub>, by inhalation, rat , gasses and vapour (mg.kg<sup>-1</sup>):

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**Comercial product name:** **TEXAFIX SW**

*Subchronic – chronic toxicity:*

*Senzitization:*

*Karcinogenity:*

*Mutagenity:*

*Toxicity for reproduction:*

*Experience with humanbody:*

*Tests with animals:*

*Other* Contact with skin: Mild irritating to skin

Contact with eyes: Mild irritating to eyes:

## 12. Ecological information

### 12.1. *Ecotoxicity:*

*Acute toxicity on aquatic organisms*

-LC<sub>50</sub>, 96hr, for fish (mg.l<sup>-1</sup>) >100

-EC<sub>50</sub>, 48hr, for Daphnia (mg.l<sup>-1</sup>)

-IC<sub>50</sub>, 72hr, for algae (mg.l<sup>-1</sup>)

*Toxicity on activated sludge organisms:*

OECD 209, EN ISO 8192:1995, ČSN 75 7734

EC<sub>50</sub> (mg.l<sup>-1</sup>)

### 12.2. *Mobility:*

Product forms dispersion in water

*Distribution to environmental compartments:*

*Surface tension:*

*Absorption/desorption:*

### 12.3. *Persistence and degradability:*

*Biodegradability by activated sludge :*

<10%

OECD 302 B ,ISO 9888:1991, ČSN EN 29 888 (75 7772)

### 12.4. *Bioaccumulative potential:*

log Pow<3

### 12.5. *Results of PBT assessment:*

This product (don't )rank among PBT and PvB

### 12.6. *Other adverse effects:*

*COD (mg.g<sup>-1</sup>)*

*BOD<sub>5</sub> (mg.g<sup>-1</sup>)*

*TOC (mg.g<sup>-1</sup>)*

*AOX( mg.l<sup>-1</sup>)*

Product doesn't contain any halogenated hydrocarbons.

*Heavy metal ( mg.l<sup>-1</sup>)*

Product doesn't contain any heavy metals complexes.

## 13. Disposal consideration

*Methods of disposal for substance or preparation:*

European Waste Catalogue

16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

Product can be incinerated in accordance with current local authority regulation .

It is not allowed to landfill the liquid product

Product can be disposed on waste water treatment plant in accordance with current local authority

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regulations only after previous pre-treatment (coagulation, flocculation, electroflotation) and the subsequent separation of precipitated slag, which is allowed to be incinerated in accordance with the local authority regulation.

*Washed water from equipments and containers:*

Dispose on waste-water treatment plant

*Sorptive materials:*

Can be incinerated in accordance with current local authority regulation .

*Methods of disposal for contaminated vessels:*

Wash with water and return to the producer. Damaged vessels take off into waste management system.

**14. Transport information**

Not listed as a hazardous substance in sense of transport regulation

**15. Regulatory information**

Product is not classified as hazardous.

**16. Other information****Legend:**

OEL Occupational Exposure Limit

DNEL Derived No Effect Exposure limit

EQS Environmental Quality Standard

PNEL Prediced No Effekt Exposure Limit

RMM Risk Management Measure

PEL Permissible Exposure Limit (Czech regulation - Government declaration 361/2007 Sb)

NPK-P Top permissible concentration of chemical substance in air on workplace (Czech regulation - Government declaration 361/2007 Sb)

**Recommended restrictions on use:****Other information:**

*Source of key data used to compile the data sheet:*

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**Revision III:** 1,2,3,8,9,12,13,15,16