

**Safety data sheet in accordance with regulation (EC) No 1907/2006**

Trade name: Ink-TPU

Version: 4 / GB

Date revised: 11.03.2016

Substance number: 380557980

Replaces Version: 3 / GB

Print date: 14.03.16

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

Ink-TPU

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

Pad printing ink

**Identified Uses**

SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PROC1	Use in closed process, no likelihood of exposure
PROC2	Use in closed, continuous process with occasional controlled exposure
PROC3	Use in closed batch process (synthesis or formulation)
PROC4	Use in batch and other process (synthesis) where opportunity for exposure arises
PROC5	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC10	Roller application or brushing
PROC11	Non industrial spraying
PROC13	Treatment of articles by dipping and pouring
PROC19	Hand-mixing with intimate contact and only PPE available
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8d	Wide dispersive outdoor use of processing aids in open systems

**Uses advised against**

SU21 Consumer uses: Private households (= general public = consumers)

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

ITW Trans Tech  
475 N. Gary Avenue  
Carol Stream, IL 60188

General Information: Ph 630-752-4000  
www.itwtranstech.com

**1.4. Emergency telephone number**

352-323-3500 InfoTrac 24hr

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

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### Classification (Regulation (EC) No. 1272/2008)

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Flam. Liq. 3	H226
Eye Dam. 1	H318
Repr. 2	H361d
Aquatic Chronic 3	H412

## 2.2. Label elements

### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H361d	Suspected of damaging the unborn child.
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor.

#### Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Butyl glycolate

## 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients \*\*\*

### 3.2. Mixtures

#### Chemical characterization

Pad printing ink based on acrylic resins and on solvents

#### Hazardous ingredients \*\*\*

##### Solvent naphtha (petroleum), light arom.

CAS No.	64742-95-6
EINECS no.	265-199-0
Registration no.	01-2119455851-35 (LIST NUMBER 918-668-5)
Concentration	>= 2,5 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3	H226
STOT SE 3	H336
STOT SE 3	H335

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Asp. Tox. 1 H304  
Aquatic Chronic 2 H411

**Xylene**

CAS No. 1330-20-7  
EINECS no. 215-535-7  
Registration no. 01-2119488216-32/01-2119486136-34  
Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315  
Flam. Liq. 3 H226  
Acute Tox. 4 H332  
Acute Tox. 4 H312  
Eye Irrit. 2 H319  
STOT SE 3 H335  
STOT RE 2 H373  
Asp. Tox. 1 H304

**n-Butyl acetate**

CAS No. 123-86-4  
EINECS no. 204-658-1  
Registration no. 01-2119485493-29  
Concentration >= 1 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 3 H226  
STOT SE 3 H336

**Butyl glycolate**

CAS No. 7397-62-8  
EINECS no. 230-991-7  
Registration no. 01-2119514685-36  
Concentration >= 3 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318  
Repr. 2 H361d

**Ethyl benzene**

CAS No. 100-41-4  
EINECS no. 202-849-4  
Registration no. 01-2119489370-35  
Concentration >= 1 < 3,4 %

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225  
Acute Tox. 4 H332  
STOT RE 2 H373 Ear  
Asp. Tox. 1 H304

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

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In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

### **After inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

### **After skin contact**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

### **After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Until now no symptoms known so far.

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

### **Hints for the physician / treatment**

Treat symptomatically

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray/mist, Not be used for safety reasons: water jet

### **5.2. Special hazards arising from the substance or mixture**

In the event of fire the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); dense black smoke

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.

### **6.2. Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

### **6.3. Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

### **6.4. Reference to other sections**

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid skin and eye contact. Avoid the inhalation of particulates and spray mist arising from the application of this mixture. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or water courses.

#### **Advice on protection against fire and explosion**

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

#### **Classification of fires / temperature class / Ignition group / Dust explosion class**

Classification of fires            B (Combustible liquid substances)  
Temperature class                T2

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Electrical installations/working materials must comply with the local applied technological safety standards. Storage rooms in which filling operations take place must have a conducting floor. Store in accordance with national regulation

#### **Hints on storage assembly**

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

#### **Further information on storage conditions**

Observe label precautions. Store between 15 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### **7.3. Specific end use(s)**

Pad printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Exposure limit values**

##### **Ethyl benzene**

List	EH40			
Type	WEL			
Value	441	mg/m <sup>3</sup>	100	ppm(V)
Short term exposure limit	552	mg/m <sup>3</sup>	125	ppm(V)
Skin resorption / sensibilisation: Sk; Status: 2011				

##### **Xylene**

List	EH40			
Type	WEL			
Value	220	mg/m <sup>3</sup>	50	ppm(V)
Short term exposure limit	441	mg/m <sup>3</sup>	100	ppm(V)

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Skin resorption / sensibilisation: Sk; Status: 2005

**n-Butyl acetate**

List	EH40			
Type	WEL			
Value	724	mg/m <sup>3</sup>	150	ppm(V)
Short term exposure limit	966	mg/m <sup>3</sup>	200	ppm(V)
Status:	2011			

**Aromatics**

List	EH40			
Value	500	mg/m <sup>3</sup>		

**1,2,4-Trimethylbenzene**

List	EH40			
Type	WEL			
Value	125	mg/m <sup>3</sup>	25	ppm(V)
Status:	2011			

**Derived No/Minimal Effect Levels (DNEL/DMEL)**

**Xylene**

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Short term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	289			mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Short term			
Route of exposure	inhalative			
Mode of action	Local effects			
Concentration	289			mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	dermal			
Mode of action	Systemic effects			
Concentration	180			mg/kg

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	77			mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)			
Reference group	Consumer			
Duration of exposure	Short term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	174			mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)			
Reference group	Consumer			
Duration of exposure	Short term			
Route of exposure	inhalative			

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Mode of action Local effects  
Concentration 174 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
Reference group Consumer  
Duration of exposure Lifetime  
Route of exposure dermal  
Mode of action Systemic effects  
Concentration 108 mg/kg

Type of value Derived No Effect Level (DNEL)  
Reference group Consumer  
Duration of exposure Lifetime  
Route of exposure oral  
Mode of action Systemic effects  
Concentration 1,6 mg/kg

Type of value Derived No Effect Level (DNEL)  
Reference group Consumer  
Duration of exposure Lifetime  
Route of exposure inhalative  
Mode of action Systemic effects  
Concentration 14,8 mg/m<sup>3</sup>

**n-Butyl acetate**

Type of value Derived No Effect Level (DNEL)  
Reference group Worker  
Duration of exposure Short term  
Route of exposure inhalative  
Mode of action Systemic effects  
Concentration 960 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
Reference group Worker  
Duration of exposure Short term  
Route of exposure inhalative  
Mode of action Local effects  
Concentration 960 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
Reference group Worker  
Duration of exposure Long term  
Route of exposure inhalative  
Mode of action Systemic effects  
Concentration 480 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
Reference group Worker  
Duration of exposure Long term  
Route of exposure inhalative  
Mode of action Local effects  
Concentration 480 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
Reference group General Population  
Duration of exposure Short term  
Route of exposure inhalative

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Mode of action Systemic effects  
 Concentration 859,7 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group General Population  
 Duration of exposure Short term  
 Route of exposure inhalative

Mode of action Local effects  
 Concentration 859,7 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group General Population  
 Duration of exposure Long term  
 Route of exposure inhalative

Mode of action Systemic effects  
 Concentration 102,34 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group General Population  
 Duration of exposure Long term  
 Route of exposure inhalative

Mode of action Local effects  
 Concentration 102,34 mg/m<sup>3</sup>

**Butyl glycolate**

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Long term  
 Route of exposure dermal

Mode of action Systemic effects  
 Concentration 34,7 mg/kg

Type of value Derived No Effect Level (DNEL)  
 Reference group Worker  
 Duration of exposure Long term  
 Route of exposure inhalative

Mode of action Systemic effects  
 Concentration 21,2 mg/m<sup>3</sup>

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Long term  
 Route of exposure oral

Mode of action Systemic effects  
 Concentration 2 mg/kg

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Long term  
 Route of exposure dermal

Mode of action Systemic effects  
 Concentration 20,8 mg/kg

Type of value Derived No Effect Level (DNEL)  
 Reference group Consumer  
 Duration of exposure Long term  
 Route of exposure dermal



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Mode of action	Local effects	
Concentration	0,28	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	43,5	mg/m <sup>3</sup>

**Solvent naphtha (petroleum), light arom.**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	11	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	11	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	32	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	150	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	25	mg/kg/d

**Predicted No Effect Concentration (PNEC)**

**Xylene**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,327	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0,327	mg/l

Type of value	PNEC	
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Type	Freshwater sediment	
Concentration	12,46	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	12,46	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	2,31	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	6,58	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,327	mg/l

**n-Butyl acetate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,18	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,018	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,981	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,0981	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,0903	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	35,6	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,36	mg/l

**Butyl glycolate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,05	mg/l
Type of value	PNEC	
Type	Soil	
Concentration	0,0112	mg/kg

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Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,203	mg/kg

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	232	mg/l

### 8.2. Exposure controls

#### Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

#### Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Full mask, filter A

#### Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling nitrile rubber gloves with textile undergloves are required.

Material thickness > 0,5 mm

Breakthrough time < 30 min

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

#### Eye protection

Use safety eyewear designed to protect against splash of liquids.

#### Body protection

Cotton or cotton/synthetic overalls or coveralls are normally suitable.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Form</b>	Pasty
<b>Colour</b>	coloured
<b>Odour</b>	solvent-like

#### Odour threshold

Remarks No data available

#### pH value

Remarks Not applicable

#### Melting point

Remarks not determined

#### Freezing point

Remarks not determined

#### Initial boiling point and boiling range

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Value	appr. 124		°C
Pressure	1.013	hPa	
Source	Literature value		

**Flash point**

Value	35		°C
Method	ASTM D 6450 (CCCFP)		

**Evaporation rate (ether = 1) :**

Remarks	not determined
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**Flammability (solid, gas)**

Not applicable

**Upper/lower flammability or explosive limits**

Lower explosion limit	appr. 0,7	%(V)
Upper explosion limit	appr. 8	%(V)
Source	Literature value	

**Vapour pressure**

Value	appr. 7		hPa
Temperature	20	°C	
Method	calculated		

**Vapour density**

Remarks	not determined
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**Density**

Value	1,050		g/cm <sup>3</sup>
Temperature	20	°C	
Method	DIN EN ISO 2811		

**Solubility in water**

Remarks	partially miscible
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**Partition coefficient: n-octanol/water**

Remarks	Not applicable
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**Ignition temperature**

Value	appr. 410	°C
Source	Literature value	

**Efflux time**

Value	> 150	s
Method	DIN 53211 4 mm	

**Explosive properties**

evaluation	no
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**Oxidising properties**

evaluation	None known
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**9.2. Other information****Other information**

The physical specifications are approximate values and refer to the used safety relevant component(s).

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

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### 10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

### 10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.6. Hazardous decomposition products

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute inhalational toxicity

ATE	> 20	mg/l
Administration/Form	Vapors	
Method	calculated value (Regulation (EC) No. 1272/2008)	
ATE	> 5	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

#### Aspiration hazard

No special hazards have to be mentioned.

#### Experience in practice

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation. Causes serious eye damage. Ingestion may cause nausea, diarrhoea and vomiting. Ingredient butyl glycolate may possibly cause harm to the unborn child if ingested. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

#### Other information

There are no data available on the mixture itself.

The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### General information

There are no data available on the mixture itself. Do not allow to enter drains or water courses. The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

### 12.2. Persistence and degradability

#### General information

No data available

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**12.3. Bioaccumulative potential**

**General information**

There are no data available on the mixture itself.

**Partition coefficient: n-octanol/water**

Remarks Not applicable

**12.4. Mobility in soil**

**General information**

There are no data available on the mixture itself.

**12.5. Results of PBT and vPvB assessment**

**General information**

There are no data available on the mixture itself.

**12.6. Other adverse effects**

**General information**

There are no data available on the mixture itself.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations for the product**

Do not allow to enter drains or water courses.

Wastes and emptied containers should be classified in accordance with relevant national regulation.

The European Waste Catalogue classification of this product, when disposed of as waste is

EWC waste code 08 03 12\* waste ink containing dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

**Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Not emptied containers are hazardous waste (waste code number 150110).

**SECTION 14: Transport information**

**Land transport ADR/RID**

**14.1. UN number**

UN 1263

**14.2. UN proper shipping name**

PAINT

**14.3. Transport hazard class(es)**

Class 3

Label 3

**14.4. Packing group**

Packing group III

Special provision 640E

Remarks The product is viscous; non-dangerous good in Containers with not more than 450 ltrs.

Limited Quantity 5 l

Transport category 4

**14.5. Environmental hazards**

-

**Safety data sheet in accordance with regulation (EC) No 1907/2006**

Trade name: Ink-TPU

Version: 4 / GB

Date revised: 11.03.2016

Substance number: 380557980

Replaces Version: 3 / GB

Print date: 14.03.16

Tunnel restriction code D/E

**Marine transport IMDG/GGVSee**

**14.1. UN number**

UN 1263

**14.2. UN proper shipping name**

PAINT

**14.3. Transport hazard class(es)**

Class 3

**14.4. Packing group**

Packing group III

Remarks Transport according to 2.3.2.5 of the IMDG Code

**14.5. Environmental hazards**

no

**Air transport ICAO/IATA**

**14.1. UN number**

UN 1263

**14.2. UN proper shipping name**

PAINT

**14.3. Transport hazard class(es)**

Class 3

**14.4. Packing group**

Packing group III

**14.5. Environmental hazards**

-

**Information for all modes of transport**

**14.6. Special precautions for user**

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Other information**

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

no

**SECTION 15: Regulatory information**

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

**Major-accident categories acc. 96/82/EC**

Category	6	Flammable	5.000.000	kg	50.000.000	kg
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**VOC**

VOC (EU)	44,48	%	467	g/l
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**Other information**

The product does not contain substances of very high concern (SVHC).

**Other information**

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the IECSC inventory.

All components are contained in the ECL inventory.

**15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

## Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Ink-TPU

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### **SECTION 16: Other information**

#### **Hazard statements listed in Chapter 3**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure:
H411	Toxic to aquatic life with long lasting effects.

#### **CLP categories listed in Chapter 3**

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin irritation, Category 2
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

#### **Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.  
The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.  
The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.  
As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.  
The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.