

# Material Safety Data Sheet

according to 91/155/EC



**Product name :** BOUNDING AGENT PP

**Revision :** 23.06.2006      **Revision :** 9  
**Print date :** 03.01.2011

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## 01. Identification of substance, preparation and company

**Product name:**  
**BOUNDING AGENT PP**  
ADDITIV FOR PAD PRINTING INK

**Use of the substance / preparation**  
HAFTVERBESSERER PP - ACTIVANT D'ADHÉRENCE PP - BOUNDING AGENT PP  
Product identification : Solvent containing resin solution

**Manufacturer/Supplier**  
TECA-PRINT AG

**Street/P.O.Box**  
Bohlstrasse 17, Postfach

**Country code/Postal code/Town/City**  
CH - 8240 Thayngen/Schweiz

**Telephone / Telefax**  
++41 (0)52 645 20 00 / ++41 (0)52 645 21 01

**Emergency information**  
Schweiz. Toxikologisches Infozentrum  
51  
24 Stunden täglich Telefon : +41 (0) 44 251 51

## 02. Composition/information on ingredients

### Hazardous components

XYLENE; EC-No. : 203-933-3 ; CAS-No. : 1330-20-7  
Percentage : > 50 %  
Classification : Xn ; R 10 - 20/21 - 38  
MAK-Value (ppm) 100

CHLOROBENZENE; CAS-No. : 108-90-7  
Percentage : 1 ... 5 %  
Classification : Xn ; R 10 - 20 - 51/53  
MAK-Value (ppm) 10

## 03. Hazards identification

**Human health**  
(See also section #15)

**Inhalation**  
Excessive breathing of vapours has narcotic effects, may cause drowsiness.

**Skin contact**  
Degreasing effects. Prolonged or repeated contact may cause inflammation.

**Eye contact**  
Irritation of eyes, especially during direct contact.

**Swallowing**  
Not known.

**Environment**  
Harmful for aquatic environment. In case of fire may be formed: halogen containing and nitrous gases

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## 04. First-aid measures

### **After inhalation**

Take victim to fresh air. Remove contaminated clothing.

### **After skin contact**

Dab with soft tissue and wash with plenty of water and soap. Do not use any organic solvent.

### **After eye contact**

Immediately rinse with plenty of water, keep eyelid lifted. In case of irritation see physician.

### **Swallowing**

On vomiting lie person on their side and keep respiratory tract free. See physician. Do not induce vomiting.

## 05. Fire-fighting measures

### **Suitable extinguishing media**

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.

### **Unsuitable extinguishing media**

Waterjet.

### **Special protective equipment**

Do not breathe vapours/fumes - use self-contained breathing apparatus.

### **Additional information**

Do not allow extinguishing agent to soak into soil. Take measures to collect contaminated fire-fighting agent.

## 06. Accidental release measures

### **Personal precautions**

Avoid contact with skin, eyes and clothes. Remove sources of ignition. Proper ventilation of workplace.

### **Environmental precautions**

Prevent material to enter soil, drains or water courses.

### **Methods for cleaning up/collecting**

Absorb with sand, kieselguhr or other inert material.

For disposal fill in adequate containers and handle as special waste. See also section #13

## 07. Handling and storage

### **Information for safe handling**

Avoid release of vapours. Be sure to apply good room ventilation. Do not eat, drink or smoke at the workplace.

### **Requirements to be met by storerooms and containers**

Keep container well closed after use. Avoid frequent warming above 50 °C.

### **Information about separation of incompatible products**

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

### **Further information about storage conditions**

Keep away from food. Preferably store in original container. Product is flammable and can form combustible mixtures with air. Avoid electrostatic charging of container.

## 08. Exposure controls and personal protection

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## Exposure

Install proper room ventilation in working- and storage area.

## Respiratory

No special requirements with good room ventilation.

## Eyes

When splashes may occur (pouring material into an other container) wear splash proof goggles.

## Skin

Apply mild handcream. Use suitable protective gloves. (i.e. neoprene or polyvinyl alcohol)

## General

When handling the product wear usual protective work clothes.

## 09. Physical and chemical properties

### Image

**Form :** liquid  
**Colour :** clear  
**Odour :** characteristic

### Relevant safety data

<b>Boiling point / range :</b>	at	137 °C	
<b>Flash point :</b>	at	28 °C	
<b>Ignition temperature :</b>	at	430 °C	
<b>Lower explosion limit :</b>		1.0 % b.v.	
<b>Upper explosion limit :</b>		7.8 % b.v.	
<b>Vapour pressure :</b>		9.0 mbar	
<b>Density :</b>	( 20 °C )	ca. 1.0 g/cm <sup>3</sup>	
<b>Supporting fire</b>		by solvents	
<b>Solubility in water :</b>	( 20 °C )	0 %	fully soluble components
<b>pH value :</b>		n.a.	
<b>Viscosity :</b>	>	40 s	DIN-cup 4 mm

## 10. Stability and reactivity

Elevated temperature in the container may cause combustion. (Increase of vapour pressure)  
Direct contact with oxidants will yield decomposition/inflammation, liberating gases. Dangerous decomposition products:  
see section #3

## 11. Toxicological information

Excessive vapour concentration may yield narcotic effects.

## 12. Ecological information

### Additional ecological information

#### General ecological information

Biological degradability exists for some components of the product.  
Do not allow product to enter drains, groundwater or water courses.  
Contains: Chlorobenzene, R10-20-51/53

## 13. Disposal considerations

EWC new: (Used printing inks, containing hazardous material) 08 03 12\* / proposal

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Liquid remainder is special waste. Do not dispose together with normal domestic waste. See local regulations.  
Send via licensed waste handler to dump, incineration or redistillation in accordance with local regulations.

## 14. Transport information

**ADR/RID :** UN 1210 DRUCKFARBE, 3, III, SONDERVORSCHRIFT 640E  
**IMDG :** PRINTING INK, 3, UN 1210, III (28°C c. c.), EmS-No F-E, S-D  
**IATA :** Printing ink, flammable, 3, UN 1210, III

## 15. Regulatory information

### Classification according to EEC directives

#### Danger Symbol and danger Designation



Xn ; Harmful      Contains: Xylene

Flammability ; R 10

#### R-phrases

20      Harmful by inhalation  
21      Harmful in contact with skin  
38      Irritating to skin  
52      Harmful to aquatic organisms  
53      May cause long-term adverse effects in the aquatic environment

#### S-phrases

7/9      Keep container tightly closed and in a well-ventilated place  
16      Keep away from sources of ignition - No smoking  
29      Do not empty into drains  
35      This material and its container must be disposed of in a safe way

#### TA - air

Classe I :      0 %      Classe II : > 50 %      Classe III : 0 %

#### WGK

Classe : 2 according to VwVwS

## 16. Other information

### Further information

Contents of organic solvents at 60 %