

## FICHE PRODUIT



Ref fournisseur : BY 231 600 WT

DESIGNATION  
COMMERCIALE

Marqueurs effaçable à sec A+B

ARGUMENTAIRE  
MARKETING  
CATALOGUE

Encre à base d'alcool. Corps plastique. Sans xylène.

## Marqueurs tableaux blancs

Présentation

Marqueur effaçable à sec

Pointe

Biseautée

Coloris

A la couleur

Assorti

Préciser

Noir

Certification / Label  
environnemental ( e )

-

FDS (conforme à la  
réglementation Reach) Si  
oui, la fournir

oui

non

PAYS Fabrication

-

date :

15/11/2013 14:23

According to 91/155 EEC

## 1 Identification of the substance/preparation and of the company/understating

• **Product details**

• **Trade name:** WB-INK BLACK 810-1

• **Manufacturer/supplier:**

ASAI BUSSAN CO., LTD.

3-22-6, fukaeminami, Higashinari-ku, Osaka, Japan 537-0002.

Phone +81 (6) 6976 /2531

Fax +81 (6) 6976/ 2535

• **Further information obtainable from:**

Technical Division, Mr. Kenji Sasaki

Tel.: +81-6-6976-2531

Fax: +81-6-6976-2542

• **Information in case of emergency:**

ASAI BUSSAN CO., LTD.




+81-6-6976-2531

## 2 Composition/information on ingredients

• **Chemical characterization**

Mixture of the following substances, containing non-hazardous substances and coloring agents.

• **Description:** Mixture of substances listed below with nonhazardous additions.

• Dangerous components:			
64-17-5	Etahnol	 F; R 11	70-80%
67-63-0	2-Propanol	 F; R 11	10-15%
		 Xi; R 36 & R 67	

• **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 3 Hazardous identification

• **Hazrdous description :**



F Highly flammable



Xi Irritant

• **Information concerning particular hazards for human and environment :**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparation of the EU" in the latest version.

R 11 Highly flammable.

• **Classification system :**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 4 First-aid measures

• **After inhalation :** Supply fresh air; consult doctor in case of complaints.

• **After skin contact :** Generally the product does not irritate the skin.

• **After eye contact :** Rinse opened eye for several minutes under running water.

• **After Swallowing :** If symptoms persist consult doctor.

## 5 Fire-fighting measures

- **Suitable extinguishing agents** : Co2, sand, extinguishing powder. Do not use wat (Contd. On page 2)
- **For safety reasons unsuitable extinguishing agents** :  
Water  
Water with full jet
- **Protective equipment** : No special measures required.

## 6 Accidental release measures

- **Person-related safety precautions** : Water protective equipment. Keep unprotected persons away.
- **Measures for environmental protection** :  
Do not allow product to reach sewage system or any water course.  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.  
do not allow to enter sewers/surface or ground water.
- **Measures for cleaning/collecting** :  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or adequate cleansing agents.

## 7 Handling and storage

- **Handling** :
- **Information for safe handling** : Not applicable
- **Information about fire – and explosion protection** :  
Keep ignition sources away – Do not smoke.  
Protect against electrostatic charges.
- **Storage** :
- **Requirements to be met by storerooms and receptacles** : Store in a cool location.
- **Information about storage in one common storage facility** : Not required.
- **Further information about storage conditions** :  
Keep container tightly sealed.  
**Store in cool, dry conditions in well sealed receptacles.**

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities** : No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace** :  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information** : The lists valid during the making were used as basis.
- **Personal protective equipment** :
- **General protective and hygienic measures** : Wash hands before breaks and at the end of work.
- **Respiratory protection** : Not required.
- **Protection of hands** :



Protective gloves

The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

(Contd. of page 3)

Page 3/5

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further of quality and varies from manufacturer to manufacturer. As the product is preparation of marks several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has not to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection :**

Tightly seals goggles

**9 Physical and chemical properties**

<b>General information</b>	
Form:	Fluid
Colour:	According to product specification
Odour:	Characteristics
<b>Change in condition</b>	
Melting point/Melting range:	Undetermined.
Boiling point/boiling range:	78°C
Flash point:	12°C
Ignition temperature:	371°C
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Explosion limits:</b>	
Lower:	2.0 vol %
Upper:	11.8 vol %
Vapour pressure at 20°C:	59 hPa
Density:	Not determined.
Solubility in / Miscibility with water	Not miscible or difficult to mix.
<b>Viscosity:</b>	
Kinematic at 20°C:	8 ± 1.0 mPa · s
<b>Solvent content:</b>	
Organic solvents:	85.0 %
Solids content:	15.0%

**10 Stability and reactivity****Thermal decomposition / condition to be avoid :**

No decomposition if used according to specifications.

**Dangerous reactions :** No dangerous reactions known.

**Dangerous decomposition products :** No dangerous decomposition products known.

**11 Toxicological information**

**Acute toxicity :**

**Primary irritant effect :**

**on the skin :** No irritant effet.

**on the eye :** No irritating effect.

**Sensitization :** No sensitizing effects known.

(Contd on page 4)

**Material Safety Data sheet**

According to 91/155 EEC

Page 4/5

Printing date 30.08.2007

Revised on 30.08.2007

Trade name : WB-INK BLACK 810-1

**12 Ecological information**

(Contd. of page 3)

**General notes :**

Water hazard class 1 (German Regulation) (Self-assessment) : slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13 Disposal consideration

- **Product :**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITEROUS ENAMELS), ADHESIVES, SEALANTS, AND PRINTING INKS)  
08 01 00 wastes from MFSU and removal of paint and varnish  
08 01 13 sludges from paint and varnish containing organix solvents or other dangerous substances.

- **Uncleaned packaging :**
- **Recommendation :** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class :** 3 (F+) flammable liquids.
- **ADR/RID class :Danger code (Kemler) :** 33
- **UN-Number :** 1263
- **Packging group :** II
- **Hazardous label :** 3

• **Description of goods :** 1263 PAINT, (vapor pressure at 50°C at most 110 kPa)

- **Maritime transport IMDG :**



- **IMDG Class :** 3
- **UN Number :** 1263
- **Label** 3
- **Packaging group :** II
- **EMS Number :** F-E, S-E
- **Marine pollutant :** No
- **Proper shipping name :** PAINT

- **Air transport ICAO-TI and IATA-DGR :**



- **ICAO/IATA Class :** 3
- **UN/ID Number :** 1263
- **Label** 3
- **Packaging group :** II
- **Proper shipping name :** PAINT

(Contd. of page 5)

**Material Safety Data Sheet**  
According to 91/155 EEC

Page 5/5  
Printing date 30.08.2007  
Revised on 30.08.2007

**Trade name : WB-INK BLACK 810-1**

### 15 Regulatory information

(Contd. of page 4)

- **Labelling according to EU guidelines :**  
The product has been classified and marked in accordance with EU Directives/Ordinance on

hazardous Materials.

• **Code letter and hazard designation of product :**



F Highly flammable

• **Risk phrases :**

11 Highly flammable.                      67 Vapours may cause drowsiness and dizziness.

• **Safety phrases :**

2                      Keep out of the reach of children.

9                      Keep container in a well-ventilated place.

29/56                do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

46                    If swallowed, seek medical advice immediately and show this container or label.

• **National regulations :**

• **Technical instructions (air) :**

Class    Share in %

NK        59.0

• **Waterhazard class :** Water hazard class 1 (Self-assessment) : slightly hazardous for water.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **\* Data compared to the previous version alerted.**

EU