



# TALBOT MARKING/LAYOUT FLUID SAFETY DATA SHEET

Revision date: 08.08.13

Revision no: 9

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

### 1.1. Product identifier

**Product name:** Talbot Blue/White/Green/Red/Yellow layout ink fluid

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

**Use of substance/mixture:** Metal marking ink

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

**Company name:** Talbot Tool Co. Ltd.  
Crowhurst Road  
Brighton  
BN1 8AT

**Tel** 44 0 1273 508881

**Fax** 44 0 1273 540544

**Email** [info@talbot-tool.co.uk](mailto:info@talbot-tool.co.uk)

### 1.4. Emergency telephone number

**Tel:** 44 0 1273 508881

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**Classification under CHIP:** F: R11; Xn: R20/21/22; Xn: R68/20/21/22

**Most important adverse effects:** Highly flammable. Harmful by inhalation, in contact with skin and if swallowed  
Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

### 2.2. Label elements

**Label elements under CHIP:**

**Hazard symbols:** Highly flammable  
Harmful



**Risk phrases:** R11: Highly flammable  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
R68/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

**Safety phrases:** S16: Keep away from sources of ignition - No smoking.  
S51: Use only in well-ventilated areas.  
S36/37: Wear suitable protective clothing and gloves.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 2.3. Other hazards

**PBT:** This substance is not identified as a PBT substance.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Hazardous ingredients:

INGREDIENT NAME	CAS No.	CONTENTS	EINECS No.	RISK (R No.)
ETHANOL	64-17-5	60-100%	200-578-6	11
METHANOL	67-56-1	1-5%	200-659-6	11/23/24/25/39/23/24/25
SHELLAC	-	1-10%	-	-
DYE POWDER	-	<1%	-	-

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

- Skin contact:** Wash immediately with plenty of soap and water. Consult a doctor.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** Do not induce vomiting. Wash out mouth with water. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and pain.
- Ingestion:** The casualty may appear intoxicated. Severe poisoning can cause unconsciousness and severe and persistent nausea and vomiting.
- Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion. There may be irritation of the throat with a feeling of tightness in the chest.

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

**Immediate/special treatment:** Show this safety data sheet to the doctor in attendance.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol resistant foam. Water spray. Suitable extinguishing media for the surrounding fire should be used.

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

**Exposure hazards:** Highly flammable

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area.

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

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Hazardous ingredients:**

Ingredient name	State	Workplace exposure limits:		Respirable dust:	
		8 hour TWA	15 min. STEL	8 hour TWA (8 hrs)	15 min STEL (15 mins)
Ethanol	UK	1920 mg/m <sup>3</sup>	-	-	-
Methanol	UK	266 mg/m <sup>3</sup>	333 mg/m <sup>3</sup>	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective clothing.

**Environmental:** No special requirement.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**State:** Liquid

**Colour:** As ordered

**Odour:** Characteristic odour

**Evaporation rate:** Fast

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Flammability limits %:** lower: 3.3

upper: 19

**Flash point deg C:** 16

**Autoflammability deg C:** >100

### 9.2. Other information

**Other information:** Not applicable

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Sources of ignition. Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH DRM ING	Hazardous: calculated

### 11.2. Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and pain.

**Ingestion:** The casualty may appear intoxicated. Severe poisoning can cause unconsciousness and severe and persistent nausea and vomiting.

**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion. There may be irritation of the throat with a feeling of tightness in the chest.

**Other information:** Not applicable.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity values:** Not applicable.

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable in part only.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Highly volatile.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This substance is not identified as a PBT substance.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Waste code number:** 08 01 11

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

**UN number:** 1170

### 14.2. UN proper shipping name

**Shipping name:** Ethanol, flammable liquid, N.O.S.

### 14.3. Transport hazard class

**Transport class:** 3

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmental hazards:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

## SECTION 15: REGULATORY INFORMATION

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

## 15.2. Chemical safety assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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## SECTION 16: OTHER INFORMATION

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### 16.1. Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**MSDS creation date:** 01.03.99

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**Revision date:** 08.08.13

**Phrases used in Sec. 2 and 3:** R11: Highly flammable.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R68/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be liable for any damage resulting from handling or from contact with the above product.