

**Biro**  
R.T.M.**Biro Bic Limited**

(No. 389090. Registered in England)

**BIC**  
R.T.M.**Registered Office:**

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**SAFETY DATA SHEET**  
(SDS)**New/Revision\***

DATE SDS Prepared/Revised : June 1994 Reference: 0694010

Supersedes SDS reference : 129310 Date issued (sent) .....

**NOTES:**INDICATE REVISED PARTS BY SIDELINING  
Give reason if no data is input in any section  
\*Delete as applicable

Spicers code:

Bic: 484648

Blue: 48463X

Red: 014092

1. **Identification of the Substance/Preparation and Company/Undertaking**  
Substance of preparation trade name (repeat at foot of each page):

**BIC CLIC BALL POINT PEN (M10)**

Unique reference number(s): 0694010

Company/undertaking name, address and normal telephone number:

BIRO BIC LIMITED      Tel: 081 965 4060  
Whitby Avenue  
Park Royal              Fax: 081 453 1128  
LONDON  
NW10 7SG

Emergency telephone no: As above\*/Other: As above

2. **Composition/Information on Ingredients**

Substance? Y/N\* then substance name: Yes

Bic Blue Ink, Bic Black Ink, Bic Red Ink, Bic Green Ink

CAS number \_\_\_\_\_ EC Index number \_\_\_\_\_ EEC number \_\_\_\_\_

CAB (Cellulose Acrylic Butyrate) or Tenite - BARREL and SUPPORT  
Brass POINT  
Tungsten Carbide BALL  
INK

If chemical is **not** a substance then identify constituent substances as required with their classifications (symbol letters and R phrases), if classified with health hazard by CHIP.

3. **Hazards Identification** - LOW HAZARD

The most important hazards are: Staining

#### 4. First Aid Measures

Immediate medical attention required? **Y/N\*** No

Professional assistance from physician required **Y/N\*** No

Summary of first aid is as follows:-

Inhalation : n/a

Skin contact: Wash affected areas with soap and water  
Ignore slight staining

Eye contact : If eyes are affected, irrigate with clean water and obtain medical attention.

Ingestion : If distress is felt, seek medical advice. (544)

#### 5. Fire-Fighting Measures

Suitable extinguishing media : Water, Foam, CO<sub>2</sub>

Unsuitable extinguishing media : None

Special exposure hazards in fire: For ink, no fire hazards known  
Plastic pen components made from CAB (Tenite) in large quantities may cause smoke

Products of combustion : Smoke, CO, CO<sub>2</sub>, Oxides of Nitrogen

Required special protective equipment for fire fighters: For large quantities,  
respiratory equipment.

#### 6. Accidental Release Measures

Personal Precautions : For spillages use gloves to prevent staining  
Wash hands before eating

Environmental Precautions: Wipe with cloths and dispose of as domestic refuse

Methods for Cleaning : Wash surfaces with soap and water.

Where appropriate refer to information under headings,  
"Exposure controls/Personal protection" and "Disposal considerations".

## 7. Handling and Storage

Handling: No special precautions

Storage : No special precautions

## 8. Exposure Controls

Take measures to prevent : None known

Exposure control limits, and source: None required in normal usage.

Respiratory protection : None required in normal usage.

Hand protection : None required in normal usage.

Skin protection : None required in normal usage.

Eye protection : None required in normal usage.

## 9. Physical and Chemical Properties

List as appropriate at least the following  
(if not applicable indicate why not)

Appearance: Plastic component with brass and tungsten carbide writing point and refill, containing either blue, black, red or green ink.

Odour : Slight organic smell

pH : 7.0  $\pm$  1.0

Boiling point/boiling point range: Greater than 200°C

Melting point/melting point range: < 0°C (Viscous liquid)

Flashpoint (°C) - Show closed or open cup: > 96°C Closed Cup

Flammability (gas/solid) : Not known

Autoflammability : Not known

Explosive properties : Not known

Oxidising properties : Not known

Vapour pressure : 20°C (mmHG):- 0.1

Relative density : 1.11  $\pm$  0.5

Solubility (water and fat): Partial

Other :

## 10. Stability and Reactivity - STABLE

Conditions to avoid: None known

Materials to avoid: None known

Hazardous decomposition products: n/a

## 11. Toxicological Information

Concise description of toxicological properties follows, including any special health effects of constituents:

LD50 > 4gm per Kg

No harming results if applications are appropriate

## 12. Ecological Information

Possible effects : None known

Behaviour : n/a

Environmental fate: n/a

Note: For preparations, indicate date relevant to constituent substances classified as dangerous for the environment.

## 13. Disposal Considerations

Likely residues/waste product (if any) : No special precautions

Safe handling of any residues/waste product: No special precautions

## 14. Transport Information

Special carriage precautions in carriage (on-site or externally):  
No special precautions

Classification data: **SEE TRANSPORT SUMMARY SHEET FOR PRODUCT PACKAGES ATTACHED**  
(attach relevant transportation summary Record(s)).

## 15. Regulatory Information

Supply label information: (see appropriate part of labelling decision record)  
None

Note: Actual label may not be as above if product was supplied some time previously or labelling is in transition period.

Applicable EU provisions and associated UK legislation:

NOTE: THIS DATA SHEET DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION.

## 16. OTHER INFORMATION

Training advice : None

Recommended uses and restrictions: None

Further information sources :

Sources of key data used to compile Safety Data Sheet:

Other: n/a

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The data contained in this Safety Data Sheet has been supplied as required by the **Chemicals (Hazard Identification and Packaging) Regulations 1993**, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.