Technical Data Sheet

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146
Permanent Marker



Technical Data Sheet Applicable To:

146-A06-P0*-A07	Permanent Marker Non Retractable Bullet Tip (All Colours)
146-A06-P0*-A08	Permanent Marker Non Retractable Chisel Tip (All Colours)
146-A05-P0*-A07	Permanent Marker Retractable Bullet Tip (All Colours)
146-A05-P0*-A08	Permanent Marker Retractable Chisel Tip (All Colours)

Industry Usage:
These non-retractable permanent marker pens come in blue housing with a bullet or chisel tip.

Features and Benefits:
- Metal Detectable & X-Ray Visible
- Manufactured from EU and FDA food contact approved detectable polymer
- Usage Temperature: -10°c to +35°c (14 to 95°f)
- Lid attaches to end of pen

Material and Compliance Information:

- Length: 139.69mm (5.49″)
- Thickness: 17.08mm (0.67″)
- Thickness with clip: 19.96mm (0.78″)
- Bullet tip: 3mm to 4mm (0.11 – 0.15″)
- Chisel tip: 1.5mm to 4mm (0.05 – 0.15″)

We confirm that the above mentioned products are suitable for use in contact with all food types and are in conformity with the applicable requirements of the following regulations and standards:

- Regulation (EC) no.1935/2004 on Materials and Articles intended to come into contact with food.
- Commission Regulation (EU) No.10/2011 on Plastic materials intended to come into contact with food including its updates Regulation 1282/2011 and Regulation 1183/2012.
- Regulation (EC) no. 2023/2006 on Good Manufacturing Practice for materials and articles intended to come into contact with food.
- Council of Europe Resolution AP 89/1 on the use of Colorants in Plastic Materials coming into contact with food.
- US FDA 21 CFR 177.1520 (Olefin polymers) with colorants and additives cleared for use through listing in 178.3297 (Colorants for polymers), 178.2010 (antioxidants and/or stabilisers for polymers, or other respective parts of the FDA regulations.

Migration test data obtained under short-term repeat use test conditions (6dm2/kg food) has demonstrated that levels of overall migration and specific migration of additives from these products will not exceed the legal limits with all food types.

Test Simulants	Food Types	Testing Condition
A-C, D1, D2 of Regulation No. 10/2011 for Plastic Materials and Articles in contact with food.	All dry, aqueous, acidic, alcohol and fatty foods.	2 hours at 70c, Repeat use. Test OM3 of regulation 10/2011

Dual-use food additives may be present but any migration into food will be minimal.

This compliance statement is based on information supplied by the polymer and pigment manufacturers, migration testing according to Regulation 10/2011, migration modelling and quality control systems in place at Detectamet.

Supporting documents are available and can be disclosed to the competent authority on request.

REACH – No substances of very high concern (SVHC) above the 0.1% weight (w/w) threshold limit are present in the materials.

These products are Xylene free.

Retractable Permanent Marker Ink

1. **Identification**
   Product Name: Permanent Marker
   Colours: Blue, black, red and green.
2. **Hazard Identification**
   Product is not hazardous under normal use conditions
3. **Composition**
   N-propanol, iso propyl alcohol glycol, dyers, pigment, resin, additives
4. **First Aid Measures**
   Inhalation: Not an inhalation hazard under normal use conditions
   Skin contact: Wash with soap and water
   Eye contact: Flush with water for at least 15 minutes. If irritation persists, consult a physician.
   Ingestion: If large amount is ingested seek medical attention.
5. **Firefighting Measures**
   Flash point: Not determined
   Extinguishing media: As appropriate for surrounding area

Special firefighting measures: None
Unusual fire and explosion hazards: Acrid smoke, fumes

6. **Accidental Release Measures**
   Incase of spill or accidental release: Wipe up with absorbent material
7. **Handling and Storage**
   Handling: Do not shake pen
   Storage: Keep cap on pen or pen retracted when not in use
8. **Exposure Controls and Personal Protection**
   Eye protection: Not under normal use conditions
   Clothing: Not under normal use conditions
   Respirator: Not under normal use conditions
   Ventilation: Not under normal use conditions
9. **Physical and Chemical Properties**
   For ink unless otherwise specified
   Boiling Point: N/A
   Specific Gravity: N/A
   Vapor pressure: N/A
   Solubility in water: Insoluble
   Evaporation rate: N/A
   Appearance/Odour: Coloured liquid, slight odour.
10. **Stability and Reactivity**
    Stability: Stable
    Conditions to avoid: N/A
    Chemical incompatibility: N/A
    Hazardous decomposition: N/A
    Hazardous polymerization: Will not occur
11. **Toxicological Information**
    See section 2: Hazard identification for any hazards
12. **Ecological Information**
    Not available.
13. **Disposal Considerations**
    Dispose in accordance with federal, state and local regulations
14. **Transport Information**
    DOT Not regulated as a hazardous material for shipping.
    IATA Not regulated as a hazardous material for shipping.
    IMO Not regulated as a hazardous material for shipping.
15. **Regulatory Information**
    US All ingredients in this product are listed on or exempt from reporting under the Toxic Substances Control Act (TSCA)
    Canada All ingredients in this product are listed on or exempt from reporting under the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL)
16. **Other Information**
    Health: N/A
    Flammability: N/A
    Reactivity: N/A
    Personal protection: N/A
    0=minimul / 4=severe

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