DETECTAMET

Technical Data Sheet

Document Reference	145
Date of Issue	23rd Oct 2024
Revision Number	001
Date of Last Revision	23rd Oct 2024

145
Detectable Whiteboard Marker



Technical Data Sheet Applicable To:

145-A05-*	Retractable Whiteboard Marker (All Colours)
145-A06-*	Non Retractable Whiteboard Marker (All Colours)

Industry Use

Retractable whiteboard marker pens that come in blue housing with a bullet or chisel tip, available in four ink colours, or as an assorted pack of ink colours.

Features and Benefits

- Metal detectable & X-ray visible
- Manufactured from EU and FDA approved food contact materials
- Bullet or Chisel Tip Available
- Bullet tip: 3mm to 4mm (0.11 – 0.15″)
- Chisel tip: 1.5mm to 4mm (0.05-0.15″)
- Non Retractable Length: 139.69mm (5.49″)
- Non Retractable Thickness: 17.08mm / 19.96mm with clip (0.67″ / 0.78″ with clip)
- Retractable Length: 148.41mm (5.84″)
- Retractable Thickness: 15.77mm / 22.30mm with clip (0.62″ / 0.87″ with clip)

Material and Compliance information

- Colour: Blue
- Carrier polymer: PP
- Addition Rate: 100%
- Heat Stability: 280°C (536°F)
- Light Fastness: 7-8 ISO 4892 (Blue Wool Scale)
- Weather Stability: 4-5 ISO 4892 (ISO 105-A002)

The above is manufactured using pigments which are in accordance with-

- European Resolution AP (89) 1
- Recommendation IX of the BfR for colouring plastics
- EN71-3 Toy Regulation
- EU Regulation EU No 2019/1381 amending Regulation EU No 1935/2004
- Is based on a polymer carrier that is compliant with:-
- EU regulation EU No 2020/1245 amending and correcting Regulation (EU) No 10/2011
- EU regulation EU No 2019/1381 amending Regulation EU No 1935/2004
- Has been produced according to Regulation 2023/2006/EC on good manufacturing practice for materials and articles intended to come into contact with food, applicable to plastic raw materials.

The 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.

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

Industry Use

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 included its updated 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, alcoholic 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.

General Information

Maximum use Temperature: 100°c Maximum wash Temperature: 121°c

Maximum use Temperature: Do not store at deep freeze temperatures prior to use.

Cleaning: It is recommended that prior to and after use, scrapers are cleaned, disinfected & sterilized, as appropriate to their intended use (to minimise risk of microbial Growth and cross contamination, maximizing their efficiency and durability).

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

Whiteboard Marker Ink

1. Identification

Product Name: Whiteboard Marker Ink Colours: Blue,
Black, Red and green

2. Hazard Identification

Product is not hazardous under normal use condition.

3. Composition

N-propanol, ISO propyl alcohol glycol ethers, dues, 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

In case 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: None under normal use conditions Clothing: None
under normal use conditions Respirator: None under normal use
conditions Ventilation: None 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: Colored 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 two (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

HMIS Code

0 = minimal / 4 = severe

Health: N/A
Flammability:
N/A Reactivity:
N/A

Personal protection: N/A

No warranty is given or implied with respect to this information or patent infringement. Detectamet Ltd do not accept liability for loss or damage arising from the use of this information. Results are based on a test sample, our general experience and information from suppliers. Data and results may be confirmed by the buyer by testing for its intended conditions of use.