

DETECTAMET

Technical Data Sheet

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150-A05 Retractable Highlighter



Technical Data Sheet Applicable To:

150-A05-P04-A08	Retractable Highlighter Green Ink
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Features and Benefits:

- Length: 135.28mm (5.32")
- Thickness: 11.68mm (0.45")
- Thickness with clip: 18.59mm (0.73")
- Metal detectable & X-ray visible
- Refillable
- Housing colour: Blue
- Tip type: Chisel

Material and Compliance information:

Section 1: Identification of the substance/mixture of the company/undertaking

1.1 Product identifiers

Product name: Orimemo Ink Green (F-54M)

Use of the substance/preparation: Highlighter Ink

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

Identified uses

Section 2: Hazards identification

2.1 Classification

Classification according to Regulation (EC) No 1272/2008

Eye irritation (Category 2), H315

Skin irritation (Category 2), H319

For the full test of the H-statements mentioned in the section, see section 16.

Classification according to EU Directives 67/54/EEC or 1999/45/EC

Xn Irritating to eyes and skin R36/38

For the full test of the H-Statements mentioned in the section, see section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2009

Pictogram



Signal word: Warning

Hazard statement(s)

H315 Causes skin irritation

H319 Causes serious eye irritation

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P320+P350 IF ON SKIN: Gently wash with plenty of soap and water

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do, continue rinsing.

P321 Specific treatment (See... on this label)

P332+P313 If skin irritation occurs: Get medical advice/attention

P337+P313 If eye irritation persists: Get medical advice/attention

Supplemental Hazard Statements: None

According to European Directive 67/548/EEC as amended

Hazard symbols



R-phrase(s)

R36/38 Irritating to eyes and skin

S-phrase(s)

S24/25 Avoid contact with skin and eyes.

S27/28 Avoid contact with skin, take off all contaminated clothing immediately and wash with plenty of water

S37/39 Wear suitable gloves and eye/face protection.

2.3 Other Hazard

None

Section 3: Composition / information on ingredients

Ingredient name	CAS No.	EC No.	%	Classification
Styrene Acrylonitrile Copolymer	9003-54-7	618-369-7	35 ~ 50.8	-
Water	7732-18-5	231-791-2	25 ~ 31.6	-
1,2-Dibromo-2,4-Dicyanobutane	35691-65-7	252-681-0	0.05 ~ 0.1	-
Glycerin	56-81-5	200-289-5	20 ~ 30	-
Basic Yellow 40	12221-86-2	602-174-9	0.1 ~ 0.2	-
Disperse Yellow 82	12239-58-6	248-451-4	0.05 ~ 0.1	-
Basic Red 1	989-38-8	213-584-9	0.1 ~ 0.2	-
Basic Blue 3	55840-82-9	611-321-6	0.4 ~ 0.6	-

Section 4: First aid measures

4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If Inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration Consult a physician

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x)

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further information

No data available

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedure

Use personal protective equipment, Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

6.2 Environmental precautions

Do not let product enter drains

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

No data available

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/Face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate Government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without Touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derives from it

Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and Amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessments show air-purifying respirators are appropriate use a full-face respirator with multi-purpose Combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the Respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components Tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Form: Liquid Colour: Blue green
Odour	Polymer-like
Odour Threshold	No data available
pH	4.5 ~ 6.0
Melting point/freezing point	No data available
Initial boiling point and boiling range	95 - 100°
Flash point	No data available
Evaporation rate	No data available
Flammability (solid,gas)	-
Upper/lower flammability or explosive limits	Upper explosion limit: No data available Lower explosion limit: No data available
Vapour pressure	40 ~ 60 hPa at 20°c
Vapour density	No data available
Relative density	1.04 ~ 1.12 at 20°c
Water solubility	No data available

Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	3.5 ~ 5.5cps at 25°C
Explosive properties	No data available
Oxidizing properties	No data available

9.2 other safety information

No data available

Section 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing materials

10.6 Hazardous decomposition products

Other decomposition products – no data available

Section 11: Toxicological information

Skin corrosion/irritation

May cause only minimal skin irritation

Yellow dye: may cause skin irritation

Serious eye damage/eye irritation

May cause slight transient eye irritation

Yellow dye: may cause eye irritation

Respiratory or skin sensitisation

Yellow dye: May cause an allergic skin reaction

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as Probably, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure
No data available

Specific target organ toxicity – repeated exposure
No data available

Aspiration hazard
No data available

Additional information

Section 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

Section 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 14: Transport information

14.1 UN Number

ADR/RID: - IMDG: - IATA:-

14.2 UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID:- IMDG:- IATA:-

14.4 Packaging group

ADR/RID:- IMDG:- IATA:-

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

Section 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and Regulation (EC) 1272/2008

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

No data available

15.2 Chemical safety assessment

No data available

Section 16: Other information

Full text of H-Statements referred to under sections 2 and 3

H315 Causes skin irritation

H319 Causes serious eye irritation

Full text of R-phrases referred to under sections 2 and 3

R36/38 Irritating to eyes and skin

Further information

No further information

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Institute for Health and Consumer Protection (IHCP).

European Chemicals Agency (ECHA)

ChemIDplus Lite

Chemicals Information System (NCIS)

U.S. Environmental Protection Agency

United States National Library of Medicine (NLM)

International Agency for Research on Cancer (IARC)

Incorporated Administrative Agency National Institute of Technology and Evaluation (NITE)

MSDS (that was written from the raw material manufacturers)

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