

Safety data sheet in accordance with 1907/2006/EC

Trade name: Permanent Marker / Permanent Marker Triangular

Current version : 1.0.0, issued: 05.03.2014

Replaced version: -, issued: -

Region: GB

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

Permanent Marker / Permanent Marker Triangular

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

Relevant identified uses of the substance or mixture
writing and mark

1.3 Details of the supplier of the safety data sheet

Address

Pelikan Vertriebsgesellschaft mbH & Co. KG
Postfach 11 07 55
30102 Hannover
GERMANY

Telephone no. +49 (0) 511 69 69 - 0

Information provided by / telephone

Chemical Laboratory
Tel.: +49 (0) 5171 - 299 - 0
Fax.: +49 (0) 5171 - 299 - 249

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

Giftnotruf Berlin +49 (0) 30 30 686 - 790 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product is in the sense of article 3 of the Regulation (EC) 1907/2006 (REACH) an article and not subject to the labelling obligations according to:

- Art. 1, Regulation (EC) 1272/2008 (CLP);
- Article 12.(2), Directive 1999/45 (DPD).

To provide a safety data sheet is not mandatory for articles and is done on a voluntary basis.

2.2 Label elements

Not relevant

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

Housing: Polypropylene
Ink: mixture of dyes and additives in alcohol

Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician.

After inhalation

Ensure supply of fresh air.

After skin contact

When in contact with the skin, clean with soap and water.

After eye contact

not applicable

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After ingestion
not applicable

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing powder; Foam; Carbon dioxide; Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation.

General protective and hygiene measures

Keep away from foodstuffs and beverages. Wash soiled clothing. Do not inhale vapours. Avoid contact with eyes and skin.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Vapours can form an explosive mixture with air.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect of heat.

Requirements for storage rooms and vessels

Keep container tightly closed.

Advice on storage assembly

Do not store together with: Oxidizing agents

7.3 Specific end use(s)

No data available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

No special measures required.

Eye / face protection

No special measures required.

Hand protection

No special measures required.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour

solid

product specific

Odour

alkohol-like

Odour threshold

No data available

pH value

No data available

Boiling point / boiling range

Not applicable

Melting point / melting range

No data available

Decomposition point / decomposition range

No data available

Flash point

Not applicable

Auto-ignition temperature

Not applicable

Oxidising properties

No data available

Explosive properties

No data available

Flammability (solid, gas)

No data available

Lower flammability or explosive limits

Not applicable

Upper flammability or explosive limits

Not applicable

Vapour pressure

Not applicable

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Vapour density
No data available
Evaporation rate
No data available
Relative density
No data available
Density
No data available
Solubility in water
Not applicable
Solubility(ies)
No data available
Partition coefficient: n-octanol/water
No data available
Viscosity
Not applicable

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity**
No data available.
- 10.2 Chemical stability**
Stable under recommended storage and handling conditions (See section 7).
- 10.3 Possibility of hazardous reactions**
No data available.
- 10.4 Conditions to avoid**
Heat, naked flames and other ignition sources.
- 10.5 Incompatible materials**
strong oxidizing agents
- 10.6 Hazardous decomposition products**
No hazardous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalational toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Reproduction toxicity	No data available
Carcinogenicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)

No data available

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No data available

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No data available

Toxicity to algae (chronic)

No data available

Bacteria 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

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company. Smaller quantities can be disposed with household garbage.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

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SECTION 14: Transport information

- 14.1 Transport ADR/RID/ADN**
The product is not subject to ADR/RID/ADN regulations.
- 14.2 Transport IMDG**
The product is not subject to IMDG regulations.
- 14.3 Transport ICAO-TI / IATA**
The product is not subject to ICAO-TI / IATA regulations.
- 14.4 Other information**
No data available.
- 14.5 Environmental hazards**
Information on environmental hazards, if relevant, please see 14.1 - 14.3.
- 14.6 Special precautions for user**
No data available.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not relevant

SECTION 15: Regulatory information

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

EU regulations

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents (VOC Directive)

VOC content <50 %

Restriction of occupation

Adhere to the national sanitary and occupational safety regulations when using this product.

Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Remarks Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

Further information

Not to be used by children.

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 1999/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

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.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet

UMCO Umwelt Consult GmbH

Georg-Wilhelm-Str. 183, D-21107 Hamburg

Tel.: +49 40 / 79 02 36 300 Fax: +49 40 / 79 02 36 357 e-mail: umco@umco.de

This information is based on our present state of knowledge and experience.

The security data sheet describes products with a view to the security requirements.

However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.