

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP)
- Alcohol based dye ink (Art color ink)

Issue date : 28/SEP/2017

1.0 - Identification of the substance/mixture and company undertaking

1.1 - Product identification

Trade name	MD-8
Substance name	Alcohol based Dye ink
Index-No.	N/A
CAS-No.	N/A
EC-No.	N/A

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

Use of the substance/mixture	Preparation for writing instruments.
Recommended restrictions on use	At this time we do not yet have information on use restrictions. They will be included in this safety data sheet when available

1.3 - Details of supplier of the safety data sheet

Company	Quantum International 938632 5 Star Eco Permanent Marker Bullet Tip 2-0mm Line Black [Pack 10]
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2.0 - Hazards Identification

2.1 - Classification of the substance or mixture

Regulation(EC)No. 1272/2008			
Hazard class	Hazard category	Target organs	Hazard statment
II	-	-	See Section 16


Directive 67/548/EEC or 1999/45/EC	
Hazard symbol/Category of danger	Risk phrases
See Section 16	See Section 16

Most importanadvers effects

Human health	See Section 11 for toxicological information. No further information available.
Physical and chemical hazards	See Section 9 for physiochemical information. No further information available.
Potential environmental effects	See Section 12 for physiochemical information. No further information available

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2.2 - Label elements

Hazard symbols	
Signal word	- Warning
Hazard statements	<ul style="list-style-type: none"> - May cause serious eye irritation. - May cause respiratory irritation. - Do not eat, drink or smoke when using this product. - Use personal protective equipment as required.
Precautionary statements Prevention	<ul style="list-style-type: none"> - Skin exposure : Remove contaminated cloths. Wash thoroughly with soap and water. Contact physician if irritation persists. - Inhalation : Remove from exposure site to fresh air, keep at rest, and obtain medical attention. - Eye exposure : Rinse cautiously with water for several minutes. Remove contact lenses, Contact physician if irritation persists
Storage	- store in full sealed containers at cool constant temperature

2.3 - Other hazards

No other information is available.

3.0 - Composition/information on ingredients

3.1 - Substances

Hazard symbols	See Section 2
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Chemical name	Index No.	Cas No.	EC No.	Amount(%)
Propylene Glycol Monomethyl Ether		107-98-2	203-539-1	10%
Rosin Modified Maleic Resin		68309-40-0		10%
Ethyl Alcohol		64-17-5	200-578-6	72%
solvent black 5		11099-03-9	601-023-4	8%
Colorant	See the attachments for more details.			

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-phrases mentioned in this Section, see Section 16.

4.0 - First aid measures

4.1- Description of first aid measures

General advice	Take off all contaminated clothing immediately.
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In case of inhalation	Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
In case of skin contact	Remove contaminated cloths. Wash thoroughly with soap and water. Contact physician if irritation persists.
In case of eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Consult an eye specialist immediately.
In case of ingestion	Rinse mouth with water and obtain medical attention.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms	<i>No further information available.</i>
Effects	<i>No further information available.</i>

4.3 - Indication of immediate medical attention and special treatment needed

Treatment	Treat symptomatically. <i>No further information available.</i>
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5.0 - Fire-fighting measures

5.1 - Extinguishing media

Suitable extinguishing media	Carbon dioxide, foam, dry chemical powder.
Unsuitable extinguishing media	<i>No further information available.</i>

5.2 - Special hazards arising from the substance or mixture

Specific hazards during fire-fighting	<i>No further information available.</i>
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5.3 - Advice for fire-fighters

Special protective	Equipment for fire- Protective equipment suitable for the surrounding fire should be used by firefighters
Further information	<i>No further information available</i>

6.0 - Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin and eyes. For personal protection see Section 8
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6.2 - Environmental precautions

Environmental precautions	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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6.3 - Methods and materials for containment and cleaning up

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Methods and materials for containment and cleaning up	Transfer into marked sealable drums for disposal according to local/national regulations (see Section 13).
Further information	Treat recovered material as described in Section 13

6-4 - Reference to other sections

For personal protection see Section 8

7.0 - Handling and storage

7.1 - Precautions for safe handling

Advice on safe handling	Avoid contact with skin and eyes. Emergency eye wash fountains should be available in the immediate vicinity
Hygiene measures	Keep away from food, drink and animal feeding stuffs. Eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the working day. Take off all contaminated clothing immediately. Avoid contact with skin and eyes.

7.2 - Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Store in full sealed containers at cool constant temperature
Advice on protection against fire and explosion	Keep away from ignition sources and open flame. Provide for proper ventilation
Further information on storage conditions	Keep tightly closed in a dry and cool place.
Advice on common storage	Keep away from food, drink and animal feeding stuffs.

7.3 - Specific and use

Specific use(s)	<i>No information available.</i>
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8.0 - Exposure controls/personal protection

8.1 - Control parameters

No control parameters required.

8.2 - Exposure controls

Engineering measures

Refer to protective measures listed in Sections 7 and 8.

Personal protective equipment

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Respiratory protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Full mask with type ABEK filter if product forms vapour/aerosol.
Hand protection	Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear.
Eye protection	Safety glasses
Skin and body protection	Wear suitable protective clothing.

Environmental exposure controls

Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities.

9.0 - Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Form	<i>Liquid</i>
Colour	<i>Various</i>
Odour	<i>Slight odour</i>
Odour threshold	<i>No information available.</i>
Water solubility	<i>Miscible</i>
Solubility in other solvents	<i>N/A</i>
Thermal decomposition	<i>N/A</i>
Oxidizing properties	<i>N/A</i>
Melting point	<i>N/A</i>
Boiling point	<i>78 °C</i>
Flash point	<i>12 °C</i>
Danger of explosion	<i>Product does not present an explosion hazard</i>
Self-igniting	<i>Product is not selfigniting</i>
Density	<i>N/A</i>
Vapour pressure at 20 °C	<i>N/A</i>
pH	<i>3-10</i>
Viscosity	<i>N/A</i>

9.2 - Other information

No further information available.

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10.0 - Stability and reactivity

10.1 - Reactivity

Advice : Stable under recommended storage conditions.

10.2 - Chemical stability

Advice : Stable under normal conditions.

10.3 - Possibility of hazardous reactions

Hazardous reactions : No information available.

10.4 - Conditions to avoid

Conditions to avoid : Stable under normal conditions.

10.5 - Incompatible Materials

Materials to avoid : Reacts with strong acids and alkalis.

10.6 - Hazardous decomposition products

Hazardous
Decomposition : Under fire conditions ; carbon monoxide(CO),
Products carbon dioxide(CO₂).

11.0 - Toxicological information

11.1 - Information on toxicological effects

See Section 2

12.0 - Ecological information

12.1 - Toxicity

No information available.

12.2 - Persistence and degradability

Persistence	
Remarks	No data available.
Biodegradability	
Biodegradability	-
Exposure time	-
Method	-
Remarks	-

12.3 - Bioaccumulative potential

No information available

12.4 - Mobility in soil

No information available

12.5 - Results of PBT and vPvB assessment

No information available.

12.6 - Other adverse effects

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

13.0 - Disposal considerations

13.1 - Waste treatment methods

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	Disposal together with normal waste is not allowed. Special disposal Product required according to local regulations. Do not empty into drains. Contact waste disposal services.
Contaminated packaging	Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product.

14.0 - Transport information

14.1 - UN number

14.2 - UN proper shipping name

ADR	N/A
RID	N/A
IMDG	N/A

14.3 - Transport hazard class(es)

ADR-Class	N/A
(Labels ; classification code ; hazard identification number ; tunnel restriction code)	N/A
RID-Class	N/A
(Labels ; classification code ; hazard identification number)	N/A
IMDG-Class	N/A
(Labels ; EmS)	N/A

14.4 Packing group

ADR	N/A
RID	N/A
IMDG	N/A

14.5 - Environmental hazards

Labelling according to 5.2.1.8 ADR	N/A
Labelling according to 5.2.1.8 ADR	N/A
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Classification as environmentally hazardous according to 2.9.3 IMDG	N/A
Classified as 'P' according to 2.10 IMDG	N/A

14.6 - Special precautions for user

No information available.

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG	-
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15.0 - Regulatory information

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

No information available.

15.2 - Chemical safety Assessment

No information available.

16.0 - Other information

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

Risk Phrase	
R20	Harmful by inhalation
R37	Irritating to skin
R38	Irritating to respiratory system

16.2 - Full text of H-statements referred to under Sections 2 and 3

Hazardous statement	
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36	Wear suitable protective clothing

16.3 - Further information

The information provided in this safety data sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this safety data sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.