

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name: Highlighter ink

Product. No: /

Specification No: /

Version: 1.0 / EN

Page: 1 of 5

Print date: 05.05.17

Revision date: 05.05.17

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

1.1 Product identifier:

1.1.1 Trade name / designation: Highlighter ink

1.1.2 Other means of identification: None.

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

1.2.1 Relevant identified uses:

Currently no such applications are identified.

1.2.2 Uses advised against:

Do not use for other purpose, only for writing and drawing instruments.

1.3 Details of the supplier of the safety data sheet:

Manufacturer/Supplier:

Tel:

Fax:

Email:

1.4 Emergency telephone number:

Tel:

Fax:

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 or Directive 1999/45/EC: Not applicable.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008: Not applicable.

2.3 Other hazards:

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Description of the mixture:

Mixture of the following substances, containing non-hazardous substances and coloring agents

3.2 Non-hazardous ingredients

Substance name	CAS No.	INDEX No.	EC No.	%	Concentration Limits	Classification according to Regulation (EC) No.1272	SCL and/or M-factor
Water	7732-18-5	Not applicable	231-791-2	40-50	Not applicable	Not applicable	Not applicable
Glycerin	56-81-5	Not applicable	200-289-5	15	Not applicable	Not applicable	Not applicable
Propylene glycol	57-55-6	Not applicable	200-338-0	40-50	Not applicable	Not applicable	Not applicable
Rhodamine 6G	989-38-8	Not applicable	213-584-9	0.4-1.6	Not applicable	Not applicable	Not applicable
Direct blue 86	1330-38-7	Not applicable	215-537-8	0.25-0.6	Not applicable	Not applicable	Not applicable
Basic yellow 40	35869-60-4	Not applicable	252-770-4	2	Not applicable	Not applicable	Not applicable
Solvent green 7	6358-69-6	Not applicable	-	1.6	Not applicable	Not applicable	Not applicable

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Substance name	CAS No.	INDEX No.	EC No.	%	Concentration Limits	Classification according to 67/548/EEC or 1999/45/EC	SCL and/or M-factor
Water	7732-18-5	Not applicable	231-791-2	40-50	Not applicable	Not applicable	Not applicable
Glycerin	56-81-5	Not applicable	200-289-5	15	Not applicable	Not applicable	Not applicable
Propylene glycol	57-55-6	Not applicable	200-338-0	40-50	Not applicable	Not applicable	Not applicable
Rhodamine 6G	989-38-8	Not applicable	213-584-9	0.4-1.6	Not applicable	Not applicable	Not applicable
Direct blue 86	1330-38-7	Not applicable	215-537-8	0.25-0.6	Not applicable	Not applicable	Not applicable
Basic yellow 40	35869-60-4	Not applicable	252-770-4	2	Not applicable	Not applicable	Not applicable
Solvent green 7	6358-69-6	Not applicable	-	1.6	Not applicable	Not applicable	Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures

No special measures are required.

4.1.1 Following inhalation:

Under normal conditions of intended use, this material is not expected to be an inhalation hazard. If inhaled and feel breathing is difficult, pls move to fresh air. Perform artificial respiration if necessary. Get medical attention immediately.

4.1.2 Following skin contact:

Wash skin thoroughly with soap and water for several minutes. Immediately remove contaminated clothing. Get medical attention if any discomfort continues.

4.1.3 Following eye contact:

Flush thoroughly with water. If irritation occurs, get medical assistance immediately.

4.1.4 Following ingestion:

Give one or two glasses of water if patient is alert and able to swallow. Seek immediate medical attention. Do not inducing vomiting.

4.1.5 Self-protection of the first aider:

No special requirements under ordinary conditions of use and with adequate ventilation.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Not known.

Effects: Not known.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor: None.

Special treatment: None.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media: None.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: May produce fumes, smoke, oxides of carbon and hydrocarbons.

5.3 Advice for fire-fighters

Use standard firefighting procedures and consider the hazards of other involved materials. Fire fighting must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment: No special equipments are required. Wearing appropriate gloves, clothes and shoes is always suggested.

Emergency procedures: Move to another clear place, and report to relevant persons to deal with. In case of spill, beware of slippery floors and surfaces.

6.1.2 For emergency responders

Personal protective equipment: No special equipments are required. Wearing appropriate gloves, clothes and shoes is always suggested.

6.2 Environmental precautions:

Do not allow material to enter sewers, surface or ground water.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment:

Plug leak, if necessary, replace container. Surround spilled liquid and cover absorbent material.

6.3.2 For cleaning up:

Dilute with plenty of water. Absorb with liquid-binding material (sand, diatomite, and saw dust, etc.).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No specific hygiene procedures noted, but good personal hygiene practices are always advisable.

7.1.1 Protective measures:

Advice on safe handling: when working with chemicals. Wash promptly with soap and water if skin becomes contaminated.

Practice good housekeeping. Provide adequate ventilation if fumes or vapors are generated. Avoid prolonged contact with skin or eyes.

Fire preventions: No special requirements.

Aerosol and dust generation preventions: No special requirements.

Environmental precautions: Place container into the secondary container to prevent leak. Once spill occur, take measures immediately and keep away of sewers, surface or ground water.

7.1.2 Advice on general occupational hygiene: when working with chemicals. Wash promptly with soap and water if skin becomes contaminated. Practice good housekeeping. Provide adequate ventilation if fumes or vapors are generated. Avoid prolonged contact with skin or eyes.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Store in a cool and dry place but keep from freezing, with adequate ventilation,

Packaging materials: Plastic.

Requirements for storage rooms and vessels: Cool and dry place but keep from freezing, with adequate ventilation.

Hints on storage assembly: No special requirements

Storage class: General cargo.

Materials to avoid: None

Further information on storage conditions: Keep away from open flames, and high temperatures. Keep containers tightly closed.

7.3 Specific end uses:

Recommendations: Assembly into filter of writing instruments.

Specific end uses: Use for writing instruments.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Not applicable.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: No special requirements under ordinary conditions of use and with adequate ventilation.

8.2.2.1 Eye / Face protection:

Suitable eye protection: Wear necessary protective equipment. Avoid contact with eyes and prolonged skin contact. Where contact with this material is likely, chemical goggles are recommended.

Other eye protection measures: None

8.2.2.2 Skin protection:

Hand protection: Wash promptly with soap and water if skin becomes contaminated. Wear protective gloves to minimize skin contamination.

Body protection: Wash promptly with soap and water if skin becomes contaminated. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

Other skin protection measures: None

8.2.2.3 Respiratory protection: No protection is ordinarily required under normal conditions of use and with adequate ventilation.

8.2.2.4 Thermal hazards: None

8.2.3 Environmental exposure controls: Keep away of sewers, surface or ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

9.1.1 Appearance

Physical state: Uniform liquid.

Colour: Based on different color.

Odour: Mild sweet.

Odour threshold: Not applicable.

9.1.2 Safety relevant basic data

pH (20 °C): 5-10

Melting point/range (°C): 0

Initial boiling point/range (°C): 100

Decomposition temperature (°C): No data available.

Flash point (°C): Not applicable.

Ignition temperature (°C): No data available.

Vapour pressure (hPa) at ...°C: No data available.

Vapour density (air=1): No data available.

Density (g/cm³) at 20°C: 1-1.1

Bulk density (kg/m³): No data available.

Water solubility (20°C in g/l): No data available.

Solubility(ies): Fully miscible.

Partition coefficient: No data available.

n-Octanol/Water (log Po/w): No data available.

Viscosity, dynamic (mPa s): 2-5

9.1.3 Physical hazards:

Not applicable.

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9.2 Other safety information: None.

SECTION 10: Stability and reactivity

10.1 Reactivity: No data available.

10.2 Chemical stability: Stable under normal condition of storage and use.

10.3 Possibility of hazardous reactions: No hazardous reactions under normal condition of storage and use.

10.4 Conditions to avoid: Not applicable.

10.5 Incompatible materials: Strong acid and alkali, strong oxide.

10.6 Hazardous decomposition products: No data available.

SECTION 11: Toxicological information

No data available.

SECTION 12: Ecological information

No data available.

SECTION 13: Disposal considerations

Avoid washing material into sewer systems without proper treatment and authorization by the treatment facility management.

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle empty drums at an appropriate facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal. Ensure drums are tightly sealed.

SECTION 14: Transport information

No data available.

SECTION 15: Regulatory information

No data available.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.