

SAFETY DATA SHEET

Water-based Coloring Sign Pen -Ink

According to Reg.(EC) No. 1907/2006 and their amendments Regulation (EU) 453/2010.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier :	Water-based Coloring Sign pen – Ink
1.2 Relevant identified uses of the substance or mixture and uses advised against.	Writing
1.3 Details of the supplier of the safety data sheet Company name: Address : Telephone : Fax : E-mail address	Vanker Industries Limited Unit 905, 9/F., Tower 2, Phase 1, Enterprise Square, 9 Shueng Yuet Road, Kowloon Bay, Hong Kong. 852-2951 4330 852-2951 4331 nic@vanker.com.hk
1.4 Emergency Phone (Only available during the following office hours: 9:00 – 18:00)	852-2951 4330

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2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to Directive (EEC) 67/548 and Regulation (EC) No1272/2008 :

The substances within Water-Based Coloring Signed Pen are not classified according to Directive (EEC) 67/548 and Regulation (EC) No1272/2008.

2.2 Label elements

Not Classified

Pictogram

Signal word Warning

Hazard statement(s)

Precautionary statement(s)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula :

Chemical Name	CAS No	Purity/ Concentration
Aqua	7732-18-5	70-82%
Glycerin	57-55-6	10-12%
Surfactant	N/A	6-9%
Dye	N/A	2-4 %
Preservative	N/A	< 2 %

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4. FIRST AID MEASURES

4.1 Description of first aid measures :

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if irritation persists.

Skin: Flush skin with plenty of water. Prompt medical attention is advised for burns.

Ingestion: Do not induce vomiting. Get medical aid if irritation persists.

Inhalation: Remove from exposure source and move to fresh air immediately. Drink water to clear throat, blow nose to remove dust. Get medical aid if irritation persists.

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

If inhaled: Remove from exposure source and move to fresh air immediately. Drink water to clear throat, blow nose to remove dust. Get medical aid if irritation persists.

In case of eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid if irritation persists.

If swallowed: Do not induce vomiting. Get medical aid if irritation persists.

In case of skin contact: Flush skin with plenty of water. Prompt medical attention is advised for burns.

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media: Water, Spray Foam, Dry Powder, Carbon Dioxide

Extinguishing media which shall not be used for safety reasons: Not know

5.2 Special exposure hazards arising from the substance or mixture itself, combustion products, resulting gases: Water vapor, Oxides of carbon, nitrogen oxides, Sulphur oxides, Halogenated compounds

5.3 Advice for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see section 8).

6.2.Environmental precautions:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods for cleaning up:

Small Spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows: Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

7.2 Conditions for safe storage:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific use(s)

no data available

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

no data available

8.2 Exposure controls

no data available

Personal protective equipment

Respiratory protection

Not necessary under normal conditions, in a well ventilated workplace.

Hand protection

None usually required.

Eye protection

Safety glasses recommended

Hygiene measures

General industrial hygiene practice

Environmental exposure controls

no data available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:

Solid

Odour:

None

Important health, safety and environmental information

N/A

pH:	6 – 7
Boiling point/boiling range	~80°C
Flash point	No data available
Flammability (solid, gas)	Non- flammability
Explosive properties	Non-explosive
Oxidising properties	Stable
Vapour pressure	No data available
Relative density	~1 g/ml
Solubility	Soluble in water

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Water solubility	Soluble in water
Partition coefficient: n-octanol/water	No data available
Viscosity	No data available
Vapour density	No data available
Evaporation rate	No data available

9.2 Other information

None

10. STABILITY AND REACTIVITY

10.1 Chemical stability: Stable under recommended storage conditions.
10.2 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
10.3 Conditions to avoid: No specific data
10.4 Incompatible materials: No specific data
10.5 Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10.6 Hazardous decomposition products formed under fire conditions: No specific data

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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Toxicokinetics

Absorption: Not available

Distribution: Not available

Metabolism: Not available

Elimination: Not available

Potential acute health effects

Inhalation: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Ingestion: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Eye contact: No known significant effects or critical hazards.

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Potential health effects

Inhalation : N/A

Ingestion : N/A

Skin : N/A

Eyes: N/A

12. ECOLOGICAL

12.1 Toxicity: No known significant effects or critical hazards.

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 PBT and vPvB assessment: Not available

12.6 Other adverse effects: No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

Not dangerous goods

ADR/RID

14.1 UN number: Not available

14.2 UN proper shipping name: Not available

14.3 Class: Not available

14.4 Packing group: Not available

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Not dangerous goods

IMDG

14.1 UN number: Not available

14.2 UN proper shipping name: Not available

14.3 Class: Not available

14.4 Packing group: Not available

Not dangerous goods

IATA

14.1 UN number: Not available

14.2 UN proper shipping name: Not available

14.3 Class: Not available

14.4 Packing group: Not available

14.5 Environmental hazards

No data available

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

No data available

15. REGULATORY INFORMATION

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

EU regulations

Classification and labeling have been determined according to EU Directives 1272/2008 and (EEC) 67/548 (including amendments) and take into account the intended product use.

Risk phrases: This product is not classified according to EU legislation.

Product use: Consumer applications.

Europe inventory: All components are listed or exempted.

Black List Chemicals: Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) – Air: Not listed

Integrated pollution prevention and control list (IPPC) – Water: Not listed

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

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16. OTHER INFORMATION

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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