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PRODUCT HANDLING AND STORAGE PROCEDURES

1. Identification of substance

- Product name
Water base color marker
- Manufacturer / Supplier
Vanker Industries Limited

2. Composition / Data on components

- Chemical characterization
(Ink) Mixture, containing non-hazardous substance and coloring agent:
(Marker body) Polypropylene (PP) or Polyethylene (PE) or Polystyrene (PS)

3. Hazards Identification

- Comply to EN71 part 1,2,3 and LHAMA ASTM D-4236

4. First aid measures

- General information: No special measures required
- After inhalation: Remove to fresh air. If breathing is difficult, give oxygen and get immediate medical attention
- After skin contact: Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.
- After eye contact: Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. Get immediate medical attention.
- After swallowing: Induce vomiting - seek immediate medical attention.

5. Fire fighting measures

- Flash Point F (c): Normally stable, not combustible nor F
- Flammable Limits: comply EN71 part 2
- Suitable extinguishing agents: Use fire fighting measures that suit the environment
- Protective equipment: Firefighters should be equipped with self-contained breathing apparatus to guard against potentially toxic and irritating fumes.

6. Accidental release measures

- not applicable

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PRODUCT HANDLING AND STORAGE PROCEDURES**Product name: Water base color marker (Various colors)****7. handling and storage****- Handling****** Information for safe handling: No special measures required.****** Information about protection against explosions and fires: No special measures required.****- Storage****** Requirements to be met by storerooms and receptacles: keep in room temperature.****** Information about storage in one common storage facility: Not required.****** Further information about storage conditions: None.****8. Exposure controls and personal protection****-Components with limit value that require monitoring at the workplace:****The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.****- Personal protective equipment:****** Breathing equipment: Not required.****** Protection of hand: Not required.****** Eye protection: Not required.****9. Physical and chemical properties****- General Information**

Form:	Shaped plastic - marker
Color:	According to products specification
Odor:	None

- Change in condition

Melting point / Melting range:	
Boiling point / Boiling range:	

- Flash Point:**- Ignition temperature:****- Auto igniting: Product is not self igniting.****- Danger of explosion: Product does not present an explosion hazard.****- Vapor pressure at 20 ° C (68 ° F):****- Density at 20 ° C (68 ° F):****- Solubility in / Miscibility with Water: Complete****- pH-value at 20 ° C (68 ° F) 5-6.5****- Viscosity: Dynamic at 20 ° C (68 ° F)**

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PRODUCT HANDLING AND STORAGE PROCEDURES**Product name: Water base color marker (Various colors)****10. Stability and reactivity**

- Thermal decomposition / conditions to be avoided
No decomposition if used according to specifications.
- Dangerous reactions: No dangerous reactions known.
- Dangerous products of decomposition: No dangerous decomposition products known.

11. Toxicological information

- Acute toxicity: NONE
- Primary irritant effect:
 - On the skin: No irritant effect.
 - On the eye: No irritant effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
This product is not subject to classification according to internally approval calculation methods for preparations:
When used and handled according to specification, the product does not have any harmful effects according to our experience and the information provide to us.

12. Ecological information

- General notes:
NO INFORMATION

13. Disposal considerations

- Product:
 - Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packagings:
 - Recommendation: Disposal must be according to official regulations.
 - Recommendation cleaning agent: Water, if necessary with cleaning agents.

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PRODUCT HANDLING AND STORAGE PROCEDURES

Product name: Water base color marker (Various colors)

14. Transportation information

- Maritime transport:

Marine pollutant: No

- Air transport

Do not suggest, since there may have a chance of ink leaking from the nib if the filter type marker ship by AIR. The main reason is Low pressure inside aircraft.

15. Regulatory Information

-TSCA: in compliance

-SARA: not reportable

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.

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