

SAFETY DATA SHEET**1. Identification of the substance/preparation and company/undertaking.**

NAME #480 **S.D.S. NO.** GM-1

Synonyms Water based pigment ink.

Color White, Black, Red, Blue, Yellow, Green, Violet, Brown, Fluorescence Red, Fluorescence Yellow, Fluorescence Orange, Fluorescence Violet, Fluorescence Blue, Fluorescence Pink, Fluorescence Green, (15 Colors)

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2. Hazards identification.

Irritating to eyes.

3. Composition/information on ingredients.

Contains:

<u>Chemical name</u>	<u>wt-% Conc</u>	<u>Classification</u>	<u>Exposure</u>	<u>Gas</u>	<u>EINECS</u>
Ethylene glycol	1-10	-	50ppm	Trade Secret	Trade Secret
Water	50-85	-	-	Trade Secret	Trade Secret
Pigments	0-35	-	-	-	-

4. First Aid measure.

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	High concentrations – irritation of mucous membranes.	Remove from exposure, rest and keep warm. In severe cases, seek medical attention.
Skin Contact	Slight irritation.	Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.
Eye Contact	Irritation	Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.
Ingestion	Irritation of gastrointestinal tract.	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. Seek immediate medical attention.

Immediate Treatment / Antidote:**Delayed Effects:** Ingestion may result in liver and kidney damage.**S.D.S. NO.** GM-1**Page 1 of 4**

5. Fire fighting measures.

Suitable Extinguishers	Dry chemical, Foam or water jet.
Unsuitable Extinguishers	n.a.
Hazardous Combustion Products	CO, CO ₂ , NO _x , Smoke.
Special Equipment for Fire Fighting	Self contained breathing apparatus.

6. Accidental Release measures.

Safety Precautions	n.a.
Environmental Precautions	Do not allow material to contaminate sewers.
Clean up Procedure	Wipe off with dust cloth or tissue and clean up with wet cloth.

7. Handling & Storage.

Handling	Ventilation	None
Recommended procedures & equipment Avoid skin and eye contact. Close cap after used.		
Storage	Temperature range	Cool, below 35°C
	Humidity range	Dry
Keep away from	See section 10	
Suitable storage Media	Polyethylene or polypropylene.	
Precautions against static discharge	None	

8. Exposure Controls/personal protection.

Exposure Limits	n.d.
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Protective Measures

Respiratory:	n.a.
Hand:	n.a.
Eye:	Safety goggles.
Skin:	n.a.
Hygiene Measures	n.a.

9. Physical & Chemical Properties.

Appearance	Color Ink.
Odour	Slightly
Boiling Point/range	100 - 110°C
Freezing Point/range	<0°C
Flash Point	n.a.
Auto-ignition temperature	n.a.
Explosive limits	n.a.
Vapour Pressure	n.d.
Relative density	1.0 - 1.4
Solubility in water	Miscible
Solubility in solvent	Soluble in alcohol slightly.

10. Stability & Reactivity.

Stability	Stable under normal conditions.
Known Hazardous reactions	Will not occur.
Conditions to avoid	Heat, high temperature and fire sources.
Materials to avoid	Oxidizing agents.
Hazardous decomposition products	CO, CO ₂ , NO _x

11. Toxicological Information.**Effects**

Low acute oral toxicity, however ingestion may cause systemic effects such as damage liver and kidneys which may become apparent later. High vapour concentrations are irritating to mucous membranes and the respiratory tract. Slight to moderate eye and skin irritant. No reported evidence of carcinogenic, mutagenic or adverse reproductive effects.

12. Ecological Information.**Environmental Effects**

Mobility	Soluble in Water.
Degradability	n.d.
Aquatic Toxicity	n.d.

13. Disposal considerations.

Substance	Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Container	As substance. Used containers must not be cut up or punctured until completely purged of product residues.

14. Transport Information.

UN number	n.a.	Class/Item No.	n.a.
Primary Hazard	n.a.		
Packing Group	n.a.	Emergency Action Code	n.a.
H.T. Number	n.a.		

15. Regulatory Information.

Supply label details	n.a.
Label Name	n.a.
Symbols	n.a.
Risk Phrases	n.a.
Safety Phrases	Close cap after use. Avoid contact with skin and eyes.
E.E.C. No	n.a.

Use of this material may be governed by the following regulations

Users are advised to consult these regulations for further information.

The information contained in this data sheet does not constitute an assessment of workplace risks.

16. Other Information.

This material is usually used for: Marking pen ink.

It must not be used for: Avoid high temperature.

Legal Disclaimer:

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

Not applicable: n.a.	Not determined: n.d.
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