

SAFETY DATA SHEET (SDS)

According to 1907/2006/EC, Article 31

Page 1

S.D.S. NO. BS-1

1. Identification of the substance/preparation and company/undertaking.

TRADE NAME: Water based paint marker

INK NAME: BS-1

Color: 1 6.5mm Bullet Tip

Fl. Green(FGR)/Fl.Red(FR)/FL.Yellow(FY) 3 colors

28mm Rectangular Tip

White(W)/Red(R)/Blue(BL)/Green(GR)/Yellow(Y)/Orange(OR)/Pink(PI) 7 colors

Relevant identified uses of the substance or mixture and uses advised against Water based pigment ink.

Manufacturer/Supplier

4Plastic Inc.

36 Westridge Drive

Lake Oswego, OR 97034

USA

Information department: (81) 48-996-9503

Emergency telephone number: (81) 48-996-9503

2. Hazards identification.

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Label elements

Not applicable

Hazard statements

Not applicable

Precautionary statements

Not applicable

3. Composition/information on ingredients.

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

<u>Chemical name</u>	<u>% Range</u>	<u>Cas</u>	<u>EINECS</u>	<u>Description</u>	<u>GHS Symbols</u>
Ethyl Alcohol	<3	64-17-15	220-578-6		
Iso-Propyl Alcohol	<2	67-63-0	220-661-7		
Pigments	5-40	Registered	Registered		
Water	50-80	7732-18-5	231-791-2		

4. First Aid measure.

Description of first aid measures

After Inhalation Remove from exposure, rest and keep warm. In severe cases, seek medical attention.

After Skin Contact Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.

After Eye Contact Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.

After Ingestion Wash out mouth with water. Do not induce vomiting. Seek immediate medical attention.

After Swallowing Seek immediate medical advice.

Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5. Fire fighting measures.**Extinguishing media****Suitable Extinguishers**

Dry chemical, Foam or water jet.

Unsuitable Extinguishers

n.a.

Hazardous CombustionCO, CO₂, NO_x, Smoke.**Products Special Equipment for Fire Fighting**

Self contained breathing apparatus.

6. Accidental Release measures.**Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Keep away from ignition sources.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up**

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

Absorb in pieces of cloth, vermiculite, or dry sand and clean up with a wet cloth.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection

equipment. See Section 13 for disposal information.

7. Handling & Storage.**Handling****Precautions for safe handling**

Store in cool, dry place in tightly closed receptacles. Ensure good ventilation/exhaustion at the workplace.

Information about protection**against explosions and fires** Keep ignition sources

away - Do not smoke.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities Storage

Requirements to be met by storerooms and receptacles: Store in a

cool location. Further information about storage conditions

Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

Specific end use(s) No further relevant information available.**8. Exposure Controls/personal protection.****Additional information about design of technical systems:** No further data; see item 7.**Protective Measures****Respiratory**

n.a.

Hand

n.a.

Eye

Safety goggles.

Skin

n.a.

Hygiene Measures

n.a.

Control parameters

Not applicable

Additional information: PEL = Permissible Exposure Limit (OSHA)
 TLV= Threshold Limit Value (ACGIH)
 OSHA= Occupational Safety and Health Administration
 ACGIH= American Conference of Governmental Industrial Hygienists

9. Physical & Chemical**Properties.**

Information on basic physical and chemical properties

General Information

Appearance	Liquid
Odor	Slightly
Boiling Point/range*	100-110°C
Freezing Point/range*	-10-0°C
Flash Point*	n.a.
Auto-ignition temperature*	n.a.
Explosive limits*	n.a.
Vapor Pressure*	n.d.
Relative density	1.0-1.4
Solubility	Water: Miscible Solvent: Alcohol slightly.

(*Solvent Data)

10. Stability & Reactivity.

Stability	Stable under normal conditions.
Known Hazardous reactions	Reactions with acids forms Hydrogen gas (flammable).
Conditions to avoid	Heat, high temperature and fire sources.
Materials to avoid	Acids, Oxidizing agents.
Hazardous decomposition	CO, CO2, NOX

11. Toxicological Information.**Information on toxicological effects Acute toxicity**

Low acute oral toxicity, however ingestion may cause systemic effects such as damage liver and kidneys which may become apparent later. High vapor 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.**Toxicity**

Aquatic toxicity:	No further relevant information available.
Additional ecological information:	Ecological data are not available.

General notes

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

13. Disposal considerations.**Waste treatment methods****Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Uncleaned packagings

Recommendation: Disposal must be made according to official regulations.

14. Transport Information.

UN number Not Applicable.

Transport hazard class(es) Not Applicable.

Packing Group Not Applicable.

Emergency Action Code Not Applicable.

15. Regulatory Information.**Safety, health and environmental regulations/legislation specific for the substance or mixture**

USA The following information relates to product regulation specific to the USA.

Use of this material may be governed by the following regulations

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.