

MATERIAL SAFETY DATA SHEET

DTG PIGMENT WATER BASED PRINTER INK

1. Product identification

Product Name	Water Based Ink (DTX White, CL, COAT - Y/M/C/K/Lc/Lm/LK/LLK/R/BL/Or/GI)
Manufacturer	Signs Full Joint Tech Co. LTD
Address	2709 Room, Soaring Building, ABP, Fengtai District, Beijing, China Tel.: 0086 – (10) 57170106; Fax: 0086 – (10) 57170106

2. Composition / Information on Ingredients

Ingredient	CAS No	Weight %
Pigment	*	0.1 – 10
Water	7732-18-5	40 – 70
Glycerine	56-81-5	20 – 30
Polyglycol Ether	112-34-5	1 – 10
Aliphatic Alcohol	71-36-3	1 – 5
Polymers	9009-54-5	1 – 10

*The specific identity for each component not identified by a CAS Registry Number is withheld as a trade secret.

3. Hazards identification

3.1. Emergency Overview

Harmful if swallowed, inhaled or absorbed through skin.
It causes irritation to eyes and respiratory tract.

Health Rating: 1
Flammability: 0

Reactivity Rating: 0
Remaining components unknown, or < 1%

3.2. Potential Health Effects

Inhalation: Inhalation of vapors may cause irritation, headache, dizziness, fatigue, nausea, vomiting and loss of appetite. Weakness, incoordination and tremors may occur.

Ingestion: Swallowing may cause nausea, vomiting, abdominal pain, breathing difficulties,

weakness. Liver and kidney damage may result from swallowing large quantities of the material.

Skin contact: May be absorbed through the skin with possible systemic effects.

Eye contact: May cause irritation, redness and pain.

4. First Aid Measures

Inhalation: No application.

Ingestion: Induce vomiting immediately as directed by medical personnel.

Skin contact: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses after initial 1 – 2 minutes and continue flushing for several additional minutes. If effects last longer, consult physician, preferably an ophthalmologist.

5. Fire – fighting Measures

Extinguishing Media

Product is a non-flammable water-based solution.

Hazardous Combustion Products

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: carbon oxides.

Protection of Firefighters

Wear positive – pressure self – contained breathing apparatus and protective fire-fighting clothing (includes fire-fighting helmet, coat, trousers, boots and gloves).

If protective equipment is not available or not used, fight fire from a protected location or a safe distance.

Specific Fire or Explosion Hazards

Fine dust of this product can form explosive mixtures with air and poses a definite fire and explosion hazard at all times; keep away from ignition sources.

Vapors are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition and/or flashback may occur.

Spills of these organic liquids on hot fibrous insulations may lead to lowering of the auto-ignition temperatures, possibly resulting in spontaneous combustion.

6. Accidental Release Measures

Personal Precautions

Use appropriate personal protective equipment during clean-up.

Environmental Precautions

Do not let product enter drains.

7. Handling and Storage

Handling

Avoid contact with eyes, skin or clothing.

Storage

Keep container closed.

8. Exposure Controls / Personal Protection

Exposure Guidelines

A “skin” notation following the exposure guideline refers to the potential for dermal absorption of the material including mucous membranes and the eyes either by contact with vapors or by direct skin contact.

Engineering Controls

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Personal Protective Equipment

Respiratory Protection: Respirators are not needed for normal use.

Protective Clothing: If there is potential for significant dermal contact, wear appropriate impervious clothing and gloves.

Hand/Skin Protection: Wear gloves made of butyl rubber, neoprene etc.

Eye/Face Protection: Use safety glasses. If exposure causes eye discomfort, use a full-face respirator.

9. Physical and Chemical Properties

Appearance/Odor: Colored liquid, Fruity odor

Boiling Point, °C	115 °C	Vapor Pressure mmHg	0.001 mmHg
Freezing Point, °C	-10 °C	Specific Gravity	1.0
Flash Point, °C	200 °C	Water Solubility	Miscible
Vapor Density (Air = 1)		Evaporation Rate	< Butyl Acetate

10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Conditions to avoid:	Flammable vapors can be released at ambient temperatures.
Materials to avoid:	Avoid contact with metals such as Zinc, Magnesium, Aluminum. Avoid contact with oxidizing materials.

11. Toxicological Information

Toxicological Data:	No data available for product.
Irritation:	Skin: Prolonged contact is essentially non-irritating to skin. Eyes: May cause slight eye irritation. Effects may include discomfort and redness.

12. Ecological Information

Environmental Fate

When released into the soil, this material may evaporate to a moderate extent, it may leach into the ground water, may biodegrade to a moderate extent.

13. Disposal Considerations

Any disposal practice must be in compliance with all local and national laws and regulations.

Disposal

Incinerate under controlled conditions in accordance with all local and national laws and regulations.

Contaminated Packaging

Empty containers can only be disposed of when the remaining product adhering to the container walls has been removed. Remove all labels.

14. Transport Information

Any transportation's practice must be in compliance with local, state or federal laws and regulations.
Not classified as hazardous under transport regulations.

15. Regulatory Information

R-Codes

36/38 Irritating to eyes and skin.

S-Codes

46 If swallowed, seek medical advice immediately and show this container.

16. Other Information

The information herein is given in good faith, but no warranty express or implied, is made.
Recipients of our product must take responsibility for observing existing laws and regulations.