

# Material Safety Data Sheet (MSDS)

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

## ● Water-Based Inkjet Paste AIC Yellow 4GT

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

Color index:	C.I. Pigment Yellow155 (C.I.200310)
Product code:	AIC Yellow 4GT
CAS No.:	68516-73-4
EC No.:	271-176-6
Product use:	Inks/Colorant
Supplier:	A.I.C
Address:	Room 912 No.3 Building Shangdong Business Center Haizhou District Haining Zhejiang China
Emergency telephone number:	+86-158-5832-2153
Internet addresses:	<a href="https://www.aqueousinkjetcolorants.com/">https://www.aqueousinkjetcolorants.com/</a>
E-mail:	<a href="mailto:aqueousinkjetcolorants@gmail.com">aqueousinkjetcolorants@gmail.com</a>

### 2. Hazards identification

#### Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

This product does not meet the criteria for classification in any hazard class according to CLP on classification, labelling and packaging of substances and mixtures.

#### Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP]:**

No labelling information (such as hazard pictogram, signal word, hazard statement, precautionary statement) available. This product does not meet the criteria for classification in any hazard class according to CLP on classification, labelling and packaging of substances and mixtures.

See section 11 for more detailed information on health effects and symptoms.

### 3. Composition/information on ingredients

Name	CAS No.	Content (%)
Pigment	68516-73-4	15
water	7732-18-5	85

**To the extent currently known to the supplier, no ingredient exists and its applicable concentrations are classified as harmful to health or the environment.**

### 4. First-aid measures

#### First-aid measures

##### **Inhalation:**

Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire,

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symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

### **Skin contact:**

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

### **Eye contact:**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

### **Ingestion:**

Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### **Protection of first-aiders:**

No action shall be taken involving any personal risk or without suitable training.

### **Notes to physician:**

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**See section 11 for more detailed information on health effects and symptoms.**

## 5. Fire-fighting measures

### ***Extinguishing media***

**Suitable:** Use an extinguishing agent suitable for the surrounding fire.

**Not suitable:** None known.

### ***Special exposure hazards:***

No specific fire or explosion hazard.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### **Hazardous combustion products:**

Decomposition products may include the following materials:

Carbon dioxide, carbon monoxide, nitrogen oxides. Other toxic combustion products are also possible.

### **Special protective equipment for fire-fighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus

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### 6. Accidental release measures

#### **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).

#### **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).

#### **Large spill:**

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

#### **Small spill:**

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

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### 7. Handling and storage

#### **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.

#### **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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

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### 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limit values:**

There are no currently occupational exposure limit values established for the substance.

#### **DNEL(Derived No Effect Level) for workers:**

There are no DNEL values for workers established for the substance.

#### **DNEL(Derived No Effect Level) for the general population:**

There are no DNEL values for the general population established for the substance.

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### **PNEC(Predicted No Effect Concentration) values:**

There are no PNEC values established for the substance.

### **Exposure controls**

#### **Recommended monitoring procedures:**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

#### **Occupational exposure controls:**

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### **Respiratory protection:**

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### **Hand protection:**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

#### **Eye protection:**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

#### **Skin protection:**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### **Environmental exposure controls:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Hygiene measures:**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking

and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Yellow
Particle Size Distribution (D50, nm) :	≤150
Viscosity ( mPa • s)	1.00~10.00
pH:	7.50 ~ 9.50

### 10. Stability and reactivity

#### Reactivity:

Stable under recommended storage and handling conditions (see section 7, handling and storage).

**Chemical stability:** The product is stable.

**Possibility of hazardous reactions:** No hazardous reactions known.

**Conditions to avoid:** No specific data.

**Incompatible materials:** No specific data.

#### Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 11. Toxicological information

Toxicokinetics, metabolism and distribution: No relevant information 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.

#### Acute toxicity

Product/ingredient name:	Result:	Species:	Dose:	Exposition:
Water-Based Inkjet Paste	LD50 Oral	Rat	>2000mg/kg	-

Skin corrosion/irritation: No known significant effects or critical hazards.

Serious eye damage/irritation: No known significant effects or critical hazards.

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**Respiratory or skin sensitization:** No known significant effects or critical hazards.

**CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction):**

No known significant effects or critical hazards.

**STOT-single exposure and repeated exposure:**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Additional information:** No known significant effects or critical hazards.

### 12. Environmental information

#### Toxicity:

Ecology – general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity: Not classified.

Chronic aquatic toxicity: Not classified.

Benzensulfonic acid, 2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-[(4-sulfophenyl)amino] -1,3,5-triazin-2yl]amino]-, tetrasodium salt (16470-24-9):

LC50 fish: > 100mg/l

EC50 Daphnia: > 100mg/l

EC50 72h algae: > 100 mg/l

NOEC fish: 100 mg/l

NOEC Daphnia: 100 mg/l

**Persistence and degradability:** Not degradable.

**Bioaccumulative potential:** There is no data known associated with this product.

#### Mobility in soil:

Log Koc: 2.45 - 4.

#### Results of PBT and vPvB assessment:

Water-Based Inkjet Paste: This product does not meet the PBT and vPvB classification criteria.

### 13. Disposal considerations

#### Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of

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surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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### 14. Transport information

#### Transport within user's premises:

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### Sea

**Special provisions:**Not available.

**Marine pollutant:**No.

#### Air

**Special provisions:**Not available.

**This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.**

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### 15. Legal regulations

#### EU regulation:

**EINECS or ELINCS:**The pigment is listed in.

**Hazard class for water:**WGK 1, low hazard to waters.(AwSV, Germany).

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### 16. Other information

**Date of issue:** March 1, 2021

**Version:** 2.0

#### Notice:

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 hazard