



Product Name: Acid Dye Ink Yellow
SDS No. 031-39W05YC
First issue: 2013/06/27
Revised:

Safety Data Sheets

1. Identification

Product Name : Acid Dye Ink Yellow
Order No. : SPC-0355Y
Ink Ver. : 3
General Use : Ink jet printing ink
Product Description : Acid Dye Ink
SDS Number : 031- 39W05YC
Manufacture
Company Name : Mimaki Engineering Co., Ltd.
Address : 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Telephone No. : +81-268-64-2413
Importer / Distributor Established in USA
Company Name : MIMAKI USA, INC.
Address : 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A.
Telephone No. : +1-678-730-0100
Emergency Telephone No. : +81-268-64-2281

2. Hazards Identification

[GHS Classification]

Physical Hazards

Flammable Liquids : Not classified

Health Hazards

Acute Toxicity – Oral : Not classified

Acute Toxicity – Dermal : Not classified

Acute Toxicity – Inhalation : Not classified

Skin Corrosion / Irritation : Not classified

Eye Damage / Irritation : Not classified

Sensitization – Respiratory : Not classified

Sensitization – Skin : Not classified

Germ Cell Mutagenicity : Not classified

Carcinogenicity : Not classified

Toxic to Reproduction : Not classified



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Specific Target Organ Toxicity (Single Exposure) : Not classified

Specific Target Organ Toxicity (Repeated Exposure) : Not classified

Aspiration Hazard : Not classified

Environmental Hazards

Hazardous to the Aquatic : Not classified

Environment - Acute Hazard

Hazardous to the Aquatic : Not classified

Environment - Long Term Hazard

The above list does not include category being non-classifiable or not-applicable.

[GHS Label Elements]

Symbol
None

Signal Word
None

Hazard Statements
None

Precautionary Statements

[Prevention]

None

[Response]

None

[Storage]

None

[Disposal]

None

3. Composition / Information on Ingredients

No	Chemical Name	Wt%	CAS No.	
1	Water	<70	7732-18-5	
2	Glycerols	About 10	Trade secret	

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3	Proprietary organic materials	5-10	Trade secret	
4	TEGBE	5-10	143-22-6	
5	Acid dye	About 5	Trade secret	
6	Triethanolamine	<1	102-71-6	

4. First Aid Measures

Inhalation	: Remove subject to ventilated fresh air. If not breathing, give artificial respiration right away. If breathing is difficult, give oxygen. Seek immediate medical attention.
Eye Contact	: Immediately flush with room temperature, low pressure and clean water for at least 15 minutes. Seek medical attention if eye irritation continues.
Skin Contact	: Wash surface areas with soap and water. Wash soiled clothing before wearing again. Consult physician if irritation continues.
Ingestion	: Seek medical advice; and attention if stomach continues to be upset.
Indication of any immediate medical attention and special treatment needed	: Not necessary

5. Fire Fighting Measures

Extinguishing Media	: Dry chemical, carbon dioxide or water.
Unsuitable extinguishing media	: None
Special hazards arising from the substance or mixture	: None
Fire Fighting Instructions	: No special fire fighting procedures are required other than breathing apparatus. No special explosion hazards are known.

6. Accidental Release Measures

Personal Precautions	: Eye or Skin protection required during clean-up. Use proper ventilation.
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For emergency responders: : None

Environmental precautions
 : Do not release to sewer, surface or ground-water.

Methods and material for containment and cleaning up

Advice on how to contain a spill : Use sponges to wipe-up ink.

Advice how to clean-up a spill : Rinse area with damp cloth. Place waste in closed container for disposal.
 Wash hands with soap and water.

Any other information : Do not dispose of waste to the sewer.

Reference to other sections : None

7. Handling and Storage

Handling

Recommendations : Keep out of reach of children and do not drink ink.

Advice on general occupational hygiene: : Avoid contact with eyes or clothing. In the case of skin contact, wash with soap and water.

Storage : Do not store the ink in high or freezing temperatures. Keep the ink out of direct sunlight. Do not store ink with oxidizing agents or explosives. Store in dry area.

Specific uses : No specified

8. Exposure Controls / Personal Protection

Control parameters:

<u>Acrolein (CAS No.107-02-8)</u>	
Italy: OELs	
The Ceiling Limit is	: 0.1 ppm
US: ACGIH Threshold Limit Values (2008)	
The Ceiling Exposure Limit is	: 0.1 ppm
US: OSHA Table Z-1-A(29 CFR 1910.1000)(Revoked June 30, 19	
OSHA Z-1 PEL is	: 0.1 ppm
OSHA Z-1 PEL is	: 0.25 mg/m ³

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OSHA TWA is	: 0.1 ppm
OSHA TWA is	: 0.25 mg/m ³
OSHA STEL is	: 0.3 ppm
OSHA STEL is	: 0.8 mg/m ³
Australia: OELs	
The Time Weighted Average is	: 0.1 ppm
The Time Weighted Average is	: 0.23 mg/m ³
The Short Term Exposure Limited is	: 0.3 ppm
The Short Term Exposure Limited is	: 0.69 mg/m ³

<u>Glycerol (CAS No.56-81-5)</u>	
Italy: OELs	
The 8-hour TWA is	: 10 mg/m ³ as glycerin mist
US: ACGIH Threshold Limit Values (2008)	
The 8-hour Exposure Limit (TLV -TWA) is	: 10 mg/m ³ as glycerin mist
US: OSHA Table Z-1-A (29 CFR 1910.1000)(Revoked June 30, 1993)	
OSHA Z-1 PEL is	: 5 mg/m ³ as glycerin mist, respirable fraction
OSHA Z-1 PEL is	: 15 mg/m ³ as glycerin mist, total dust
Australia: OELs	
The Time Weighted Average is	: 10 mg/m ³ as glycerin mist (inspirable dust)

Exposure Controls

Appropriate engineering controls	: Proper ventilation, in prevention
Individual protection measures, such as personal protective equipment	
Use of personal protective equipment	: Not required under suitable use as setting the cartridge on the printer.
Detailed specification on equipment to provide adequate and suitable protection	
eye/face protection	: Not required under suitable use as setting the cartridge on the printer.
skin protection: hand protection & others	: Not required under suitable use as setting the cartridge on the printer.
respiratory protection	: Not required under suitable use as setting the cartridge on the printer.
thermal hazards:	: Not required under suitable use as setting the cartridge on the printer.
Environmental exposure controls	: Not established

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9. Physical and Chemical Properties

Appearance	- Physical State	: liquid
	- Color	: Yellow
Odor		: Slightly
pH		: 8.9-9.9 at 20°C
Boiling Point / Boiling Range		: Not available
Melting Point / Melting Range		: Not available
Decomposition Temperature		: Not available
Flash Point		: Not detected until 95°C (closed cup, ASTM D3278)
Auto ignition temperature		: Not available
Flammability (Solid, Gas)		: Not applicable
Explosive Properties		: None
Oxidizing Properties		: None
Upper / Lower Flammability or Explosive Limits		: Not available
Vapor Pressure		
Relative Density		: Not available
Solubility		: Not available
Water Solubility		: Not available
Partition Coefficient (n-octanol / Water)		: Not available
Viscosity		: Less than 5 mPa·s at 20°C
Vapor Density		: Greater than 1 (air = 1)
Evaporation Rate		: Not available
VOC		: Not available

10. Stability and Reactivity

Conditions to Avoid	: High and freezing temperature
Stability	: Stable under normal temperature
Materials to Avoid	: Oxidizers and explosives
Possibility of hazardous reactions	: None
Hazardous Reactions / Decomposition Products	: Acrolein (CAS #107-02-8); When glycerols is heated over 300 deg. C, it will decompose into acrolein.

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11. Toxicological Information

Acute Toxicity	: Not meet the criteria for classification according to EU Directive 1999/45/EC
Eye Irritation	: Not meet the criteria for classification according to EU Directive 1999/45/EC
Skin Irritation	: Not meet the criteria for classification according to EU Directive 1999/45/EC
Skin Corrosivity	: Not meet the criteria for classification according to EU Directive 1999/45/EC
Skin Sensitization	: Not meet the criteria for classification according to EU Directive 1999/45/EC
Inhalation Sensitization	: Not meet the criteria for classification according to EU Directive 1999/45/EC
Mutagenicity	: Not meet the criteria for classification according to EU Directive 1999/45/EC
Carcinogenicity	: Not meet the criteria for classification according to EU Directive 1999/45/EC
Toxicity for reproduction	: Not meet the criteria for classification according to EU Directive 1999/45/EC

12. Ecological Information

Ecotoxicity	: No data available
Mobility	: No data available
Persistence and Degradability	: No data available
Bioaccumulative Potential	: No data available
Results of PBT and vPvB assessment	: Has not carried out PBT and vPvB assessment
Other Adverse Effects	: No data available

13. Disposal Considerations

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Waste treatment methods : Disposal should be in accordance with federal, state, and local requirements

14. Transport Information

Check a thing without a leak in a container.
Perform prevention of collapse of cargo surely.

UN number : Not applicable

UN proper shipping name : Not applicable

Transport hazard class(es) : Not applicable

Packing group : Not applicable

Environmental hazards : Not applicable

Social precautions for user : Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

15. Regulatory Information

TSCA Status

TSCA Section 4(a) Final Test Rules Regulated : Not regulated

TSCA Section 8(a) Preliminary Assessment Information Rule (PAIR) : Not regulated

TSCA Section 12(b) One-Time EXp01t Notification Regulated : Not regulated

California Proposition 65 : Not regulated

Chemical safety assessment : This ink has not carried out any Chemical Safety Assessment yet.

16. Other Information



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List of relevant R-phrases: R-41 Risk of serious damage to eyes.

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