

## Safety Data Sheets

### 1. Identification

Product Name : Acid Dye Ink Grey  
Order No. : SPC-0355GR  
Ink Ver. : 3  
General Use : Ink jet printing ink  
Product Description : Acid Dye Ink  
SDS Number : 031- 39W051C  
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



## Safety Data Sheets

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	<80	7732-18-5	
2	Glycerols	15-20	Trade secret	

## Safety Data Sheets

3	Proprietary organic materials	10-15	Trade secret	
4	TEGmBE	5-10	143-22-6	
5	Acid dye	1-5	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.
- Most important symptoms and effects, both acute and delayed  
 : Skin: Ink contact with skin may cause irritation, swelling or redness.
- 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

## Safety Data Sheets

Personal Precautions	: Eye or Skin protection required during clean-up. Use proper ventilation.
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 the ink with oxidizing agents or explosives. Make sure the ink stored in a dry area.
Specific uses	: No specified

### 8. Exposure Controls / Personal Protection

Exposure Limit Values : Not established

#### Exposure Controls

##### Occupational Exposure Controls

Engineering Controls	: Proper ventilation, in prevention
Personal Protection	: Not required under suitable use.
Respiratory Protection	: Wear suitable respiratory protective equipment.

## Safety Data Sheets

Hand Protection	: Wear suitable glove.
Eye Protection	: Wear suitable eye/face protection.
Skin Protection	: Wear suitable protective clothing.
thermal hazards	: Not required under suitable use.
Environmental Exposure Controls	
	: Not established

### 9. Physical and Chemical Properties

Appearance	- Physical State	: liquid
	- Color	: Light Black
Odor		: Slightly
pH		: 8.4-9.8 at 20°C
Boiling Point / Boiling Range		: Not available
Melting Point / Melting Range		: Not available
Decomposition Temperature		: Not available
Flash Point		: Not detected until 120°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
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## Safety Data Sheets

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.

### 11. Toxicological Information

\*Based on toxicology data of Acid dye.

Acute Toxicity	: Not meet the criteria for classification according to EU Directive 1999/45/EC Oral LD50: > 2000mg/kg (Rats)* Dermal LD50: > No data available Inhalant LC50: > No data available
Eye Irritation	: Not meet the criteria for classification according to EU Directive 1999/45/EC Moderate irritating (Rabbits, OECD 405)*
Skin Irritation	: Not meet the criteria for classification according to EU Directive 1999/45/EC Mild irritating (Rabbits, OECD 405)*
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 Negative (by Ames test)*
Carcinogenicity	: Not meet the criteria for classification according to EU Directive 1999/45/EC Not contain any substances listed in IARC Monographs (1, 2A and 2B)
Toxicity for reproduction	: Not meet the criteria for classification according to EU Directive 1999/45/EC

## Safety Data Sheets

### 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

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



## Safety Data Sheets

### 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

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

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