

Material Safety Data Sheets

1. Product and Company Identification

Product Name	: Pigment Ink 3 For Textile Yellow 3
Product Code	: SPC-0607Y
General Use	: Ink jet printing ink
Product Description	: Pigment ink
MSDS Number	: 031-35W14YC
Manufacture	
Company Name	: Mimaki Engineering Co., Ltd
Address	: 2182-3 Otsu, Shigeno, 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.	: +81-268-64-2413

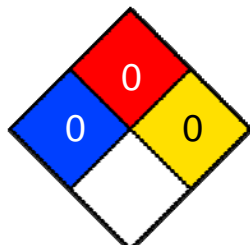
2. Hazards Identification

Hazard description:	: Not applicable.
Information pertaining to Particular dangers for man and environment:	: The product does not have to be labeled due to the calculation procedure of international guidelines.
Classification system:	: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
Eye Contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.
Skin Contact	: Get medical advice/attention.
Ingestion	: Material is possibly harmful if swallowed. Material can cause the following: abdominal pain, vomiting, nausea, depression, diarrhea, gastrointestinal irritation, dizziness.
IF exposed or concerned:	Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell.

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Disposal: : Dispose of contents/container in accordance with local/regional/national/international regulations.

NFPA ratings (scale 0-4)



Health=0
Fire=0
Reactivity=0

HMIS - ratings (scale 0-4)



Health=0
Flammability=0
Reactivity=0

3. Composition / Information On Ingredients

No	Chemical Name	Wt%	CAS No.	Chemical Formula
1	Water, distilled, conductivity or of similar purity	60-70%	7732-18-5	H ₂ O
2	Wetting agent	20-30%	Trade Secret	Trade Secret
3	Others	1-5%	Trade Secret	Trade Secret
4	Pigment	1-5%	Trade Secret	Trade Secret
5	Resin	1-5%	Trade Secret	Trade Secret

OSHA Hazardous Components (29 CFR 1910. 1200) : This product is considered hazardous under the OSHA Hazard Communication Standard.

4. First Aid Measures

General Information: No special measures required.
 After Inhalation: Supply fresh air, consult doctor in case of complaints.
 After Skin Contact: Generally the product does not irritate the skin.
 After Eye Contact: Rinse opened eye for several minutes under running water.

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After Swallowing: If symptoms persist consult doctor.

5. Fire Fighting Measures

SUITABLE CO₂,extinguishing powder or water spray. Fight lager fires with
EXTINGUISHING water spray or alcohol resistant foam.
AGENTS:
PROTECTIVE No special measures required.
EQUIPMENT:

6. Accidental Release Measures

Person-Related Safety Precautions:

Not required.

Measures For Environmental Protection:

Do not allow to enter sewers/ surface or ground water.

Measures For Cleaning/ Collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Additional Information:

No dangerous substances are released.

7. Handling And Storage

Handling: · Information for safe handling: No special measures required.
· Information about protection against explosions and fires: No special measures required.

Storage: · Requirements to be met by storerooms and receptacles: No special requirements.
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: None.

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8. Exposure Controls / Personal Protection

- 8.1 Exposure Limit Values
- Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - Additional information: The lists that were valid during the creation were used as basis.

8.2. Exposure controls

8.2.1. Occupational exposure controls

General Protective And Hygienic Measures: The usual precautionary measures for handling chemicals should be followed.

Breathing Equipment: Not required.

Hand Protection:



Gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material Of Gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration Time Of Glove Material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

9. Physical And Chemical Properties

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Appearance	- Physical state	: liquid
	- Colour	: Yellow
Odour		: Characteristic
pH		: 7.0 - 9.5
Boiling Point / Boiling Range		: 100 °C (212.00 °F) Water
Melting Point / Merging Range		: Not available
Decomposition Temperature		: Not available
Flash Point		: Noncombustible
Auto-Ignition Temperature		: Not available
Flammability(solid, gas)		: Not available
Vapour Pressure		: Not available
Specific Gravity		: 0.95 - 1.10
Solubility		: Not available
Water solubility		: Dilutable
Viscosity		: 3.000 – 5.000 mPa.s
Vapour density		: <1.0 Water
Evaporation Rate		: <1.00 Water

10. Stability And Reactivity

Thermal Decomposition: No decomposition if used according to specifications.

Dangerous Reactions: No dangerous reactions known.

Dangerous Products Of Decomposition: No dangerous decomposition products known.

11. Toxicological Information

The following toxicological data shown are those obtained from tests on products of similar composition.

ACUTE TOXICITY:

	Oral LD ₅₀	Dermal LD ₅₀	Inhalant LC ₅₀

EYE IRRITATION: No irritating effect.

SKIN IRRITATION: No irritating effect.

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SENSITIZATION: No sensitive effects known.

ADDITIONAL TOXICOLOGICAL INFORMATION: The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological Information

GENERAL NOTES Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal Considerations

Disposal:

- **Product:**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14. Transport Information

- DOT regulations:
- Hazard class: -

- Land transport ADR/RID (cross-border):
- ADR/RID class: -

- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No

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- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

- UN "Model Regulation": -Not Applicable

15. Regulatory Information

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|---|------------------------------------|
| Section 355
(extremely hazardous substances): | None of the ingredient is listed. |
| Section 313
(Specific toxic chemical listings) | None of the ingredients is listed. |
| TSCA (Toxic Substances Control
Act): | All ingredients are listed. |

· Proposition 65

- | | |
|---|------------------------------------|
| Chemicals known to
cause cancer: | None of the ingredients is listed. |
| Chemicals known to
cause reproductive
toxicity for females: | None of the ingredients is listed. |
| Chemicals known to
cause reproductive
toxicity for males: | None of the ingredients is listed. |
| Chemicals known to
cause
developmental
toxicity: | None of the ingredients is listed. |

· Cancerogenity categories

- | | |
|--|------------------------------------|
| EPA
(Environmental Protection
Agency): | None of the ingredient is listed. |
| IARC
(International Agency for
Research on Cancer) | None of the ingredients is listed. |
| NTP | None of the ingredient is listed. |

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(National Toxicology Program)

TLV

None of the ingredients is listed.

(Threshold Limit Value
established by ACGIH)

NIOSH-Ca(National Institute for
Occupational Safety and Health)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety &
Health Administration)

None of the ingredient is listed.

- **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations to directives on hazardous materials.

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16. Other Information

Abbreviations and
acronyms:

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Reglement internationale concernent le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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Yellow
MSDS No. 031-35W14YC
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Revision history

Version	Date	Content
1.0	Apr 6, 2009	First issue