

Blue

MSDS No.031-37W25BP First issue: Oct 1, 2011

## Material Safety Data Sheets

Page 1 of 7

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.

### 1. Product and Company Identification

Product Name : Textile Pigment Ink TP250 Blue

Product Code : SPC-0730BL-1

General Use : Inkjet printing ink

Product Description : Pigment ink
MSDS Number :031-37W25BP

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

Potential Health Effects : Potential routes of overexposure to this product are skin contact, eye

contact and inhalation of vapor.

Ingestion is not expected to be a significant route of exposure for this

product under normal use conditions.

There is no toxicity data available for this specific formulation. Any

potential hazards are presumed to be due to exposure to the

components.

Inhalation : At room temperature, vapors are minimal due to physical

properties. If heated or sprayed as an aerosol, airborne material

may cause upper respiratory irritation.

Eye Contact : May cause slight transient (temporary) eye irritation. Comeal injury

is unlikely.

Skin Contact : Prolonged or repeated exposure not likely to cause significant skin

irritation. A single prolonged exposure is not likely to result in the

material being absorbed through the skin in harmful amounts.



Blue

MSDS No.031-37W25BP First issue: Oct 1, 2011

# **Material Safety Data Sheets**

Page 2 of 7

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.

Ingestion : Single dose oral toxicity is considered to be extremely low. Small

amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amount larger than that may cause injury. Signs and symptoms of excessive exposure may be

central nervous system effects and increased blood sugar levels.

Carcinogens : Did not cause cancer in long-term animal studies.

### 3. Composition / Information On Ingredients

No	Chemical Name	Wt%	CAS No.	Chemical
				Formula
1	Water	40-77	7732-18-5	H2O
2	Humectant	15-25	Trade Secret	Trade Secret
3	Polymers	5-15	Trade Secret	Trade Secret
4	Dipropylene Glycol Methyl Ether	1-5	34590-94-8	C7H16O3
5	Blue Pigment	1-5	Trade Secret	Trade Secret
6	*Ethylene Glycol	1-10	107-21-1	C2H6O2

<sup>\*</sup> Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

#### 4. First Aid Measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial

respiration. If breathing is difficult, give oxygen. Call a physician.

Eye Contact : In case of contact, immediately flush eyes with plenty of water for at

least 15 minutes. Call a physician.

Skin Contact : In case of contact, immediately flush skin with plenty of water for at

least 15 minutes while removing contaminated clothing. Consult a

physician. Wash contaminated clothing before reuse.

Ingestion : Ingestion is not an expected route of exposure during normal use of

the product. If ingested, consult a physician.



Blue

MSDS No.031-37W25BP First issue: Oct 1, 2011

## Material Safety Data Sheets

Page 3 of 7

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.

#### 5. Fire Fighting Measures

Flammable Properties : Flash Point :>93.3 degree C

Method : Closed Cup

Approximate Flammable Limits in Air, % by Volume

LEL : 3.2 UEL : 15.3

Autoignition Temperature : 398 degree C

Product is nonflammable water-based solution.

Hazardous combustion products (gases/vapors) produced in fire can include carbon monoxide, carbon dioxide, nitrogen oxides and smoke.

Extinguishing Media : Use media appropriate for surrounding material.

Fire Fighting : This product is not flammable. Use normal firefighting procedures

Instructions for the area.

#### 6. Accidental Release Measures

Safeguards (Personnel) : Note: Review FIRE FIGHTING MEASURES and HANDLING

(PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during

clean-up.

### 7. Handling And Storage

Handling : Avoid contact with eyes, skin, or clothing.

#### 8. Exposure Controls / Personal Protection

Exposure limit

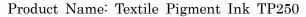
HUMECTANT

PEL(OSHA) : 5mg/m3, 8Hr TWA(mist, respirable fraction)

15mg/m3, 8Hr TWA(mist total dust)

TLV (ACGIH) : 10mg/m3, 8Hr TWA(mist)

LD50(rat, oral) :>17,000mg/kg



Blue

MSDS No.031-37W25BP First issue: Oct 1, 2011



## Material Safety Data Sheets

Page 4 of 7

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.

LC50 :>4.9mg/liter

(rat, inhalation/4hr)

DIPROPYLENE

**GLYCOL** 

METHYL ETHER

PEL(OSHA) : 100ppm, 600mg/m3, 8Hr TWA, skin

TLV(ACGIH) : 100ppm, 8Hr TWA, skin

STEL 150ppm

IEL(2000/39/EC) : 50ppm, 308mg/m3

LD50(rat, oral) : 5,350mg/kg LD50(rabbit, dermal) : 9,500mg/kg

LC50(rat,inhalation/4hr) : No data available

ETHYLENE GLYCOL

PEL(OSHA) : None Established

TLV(ACGIH) : Ceiling: 100mg/m3, aerosol

IEL(2000/39/EC) : 52mg/m3, 20ppm, skin

STEL 104mg/m3, 40ppm

LD50(rat, oral) : 4,700mg/kg LD50(rabbit, dermal) : 9,530uL/kg LC50(rat,inhalation/4hr) :>200mg/m3

BLUE PIGMENT

PEL(OSHA) : None Established TLV(ACGIH) : None Established

LD50(rat, oral) :>5,000mg/kg

LC50(rat,inhalation/4hr) : No data available

**Exposure Controls** 

Occupational Exposure Controls

Personal Protection

Respiratory : Respirators are not needed for normal use.

Protection

Eye Protection : Wear safety glasses. Wear coverall chemical splash goggles and face



Blue

MSDS No.031-37W25BP First issue: Oct 1, 2011

## Material Safety Data Sheets

Page 5 of 7

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.

shield when the possibility exists for eye and face contact due to splashing or spraying of the material.



Skin Protection : If there is potential for significant dermal contact wear appropriate

impervious clothing and gloves.



#### 9. Physical And Chemical Properties

Appearance - Physical state : liquid

- Color : Blue

Odor : Slight pH : 7-9

Flash Point :>93.3 degree C

Specific Gravity : 1.0-1.1
Water solubility : Miscible
Viscosity : 4-7 cp

#### 10. Stability And Reactivity

Chemical Stability : Stable at normal temperatures and storage conditions.

Incompatibility with : None reasonably foreseeable.

Other Materials

Decomposition : Decomposition does not occur during normal use.

Polymerization : Polymerization will not occur.

### 11. Toxicologocal Information

Animal Data : No data available for product.



Blue

MSDS No.031-37W25BP First issue: Oct 1, 2011

### Material Safety Data Sheets

Page 6 of 7

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.

#### 12. Ecological Information

Ecotoxicological

: No data available for product.

information

#### 13. Disposal Considerations

Comply with all USA, national and local regulations.

Do not dump this product into sewers, on the ground or into any body

of water.

### 14. Transport Information

Us Department of Transportation (DOT): Not regulated

ICAO/IATA(Air) : Not regulated IMO/IMDG(Ocean) : Not regulated

#### 15. Regulatory Information

#### U.S. Regulation

Federal Regulations

TSCA Inventory Status- All components of this product are listed, or exempt from listing, on the

TSCA 8(b) chemical inventory

TSCA Section 12(b) Export Notification - This product can contain:

Dipropylene glycol methyl ether (34590-94-8) : 1-5%

Tetrahydrofuran (109-99-9) : <0.03%

State Regulations

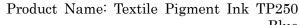
State Right - To - Know

WARNING – SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER,

BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM (California Proposition 65)

Ethylene Oxide (75-21-8) : <0.5ppm

The above are trace impurities that can occur in the product.





MSDS No.031-37W25BP First issue: Oct 1, 2011



## Material Safety Data Sheets

Page 7 of 7

CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.

#### Canada

Canadian Environmental Protection Act (CEPA) – All components of this product are listed on the Canadian Domestic Substances List (DSL) or have been notified.

WHMIS Hazard Classification - The Canadian Workplace Hazardous Materials Information System (WHMIS) classification for this product is:

Ink cartridge - Exempt (Manufactured Article)

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### 16. Other Information

#### **HMIS Rating**

Health : 1 Flammability : 1 Reactivity : 0

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation.

It relates only to the specific material designated herein, and dose not relate to use in combination with any other material or process.

Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.

#### Revision history

Version	Date	Content
1.0	Oct 1, 2011	First issue