

ATTN: MIMAKI USA. INC.

Investigation report on chemical substances in the raw materials of our products

We hereby certify the presence or absence of chemical substances in the raw materials of our products listed under 1.Products below.

Please be notified that we evaluated the raw materials of the products to determine the presence of the substances specified under 2.Object Substances below. We did not measure or analyze the final products themselves.

1. Products

UV ink LH-100 series (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Clear)

2. Object Substances

- VOC (WHO defines "organic compound having a boiling point of 50 °C ~260 °C")

3. Report

Table 1 shows the VOC content in the product listed under 1.Products above.

*Note

When adopting the definition of VOC specified by WHO, the content based on that definition will be larger than the value listed in Table 1.

However, we consider VOC as the substance that is expected to be volatilized at actual printing, among substances that fall under the definition, so we report it in Table 1.

In addition, the VOCs listed in Table 1 are contained as impurities in the ink and are not intentionally added as constituents.

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Signature: _____



Date: 2017/9/6

Name: Yasunaga Kayama

Title: General Manager of Quality Management and Support Center

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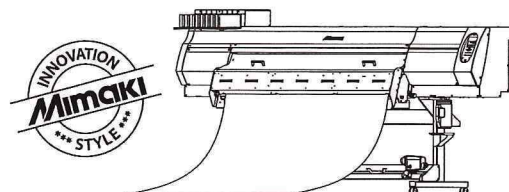
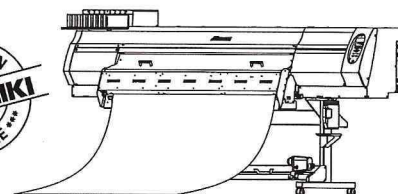


Table 1

Product	VOC Content(%)
LH-100 Cyan	<0.011
LH-100 Magenta	<0.01
LH-100 Yellow	<0.01
LH-100 Black	<0.012
LH-100 Light Cyan	<0.01
LH-100 Light Magenta	<0.01
LH-100 White	not-contained
LH-100 Clear	not-contained

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Please be notified that we evaluated the raw materials of the products to determine the presence of the substances specified under 2.Object Substances below. We did not measure or analyze the final products themselves.

1. Products

UV ink LH-100 series (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Clear)

2. Object Substances

- Substances are listed in "Proposition 65 (Mar.19, 2021)".

3. Report

In our evaluation, among all substances specified under 2.Object Substances above, only the substance listed in Table 1 is found in the product. We certify that we did not find the other substances in the raw materials of the product listed under 1.Products above.

And we do not have clear evidence that the substances listed in Table 1 are not exposed to workers beyond the Safe Harbor Level at the time of work.

Therefore, the product listed under 1.Products above are considered to be products that require "clear and reasonable warning" in Proposition 65.

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Signature: _____

K. Tsuchiya

Date: 02/04/2021

Name:

Kenji Tsuchiya

Title:

General Manager of Quality Management and Support Center

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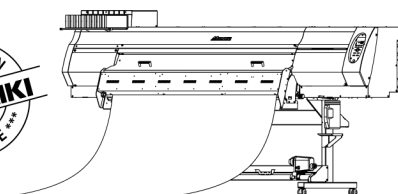
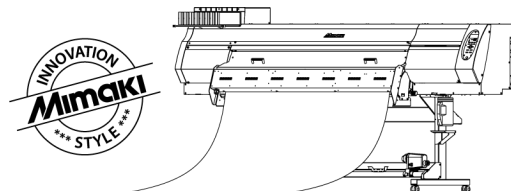


Table 1

Product	Substance Name	Content(%)
LH-100 Cyan	Toluene (CAS No. 108-88-3)	<0.011
LH-100 Magenta	Toluene (CAS No. 108-88-3)	<0.01
LH-100 Yellow	Nickel compounds Toluene (CAS No. 108-88-3)	<2 <0.011
LH-100 Black	Carbon black (CAS No. 1333-86-4) Benzene(CAS No. 71-43-2) Benz[a]anthracene (CAS No. 56-55-3) Benzo[a]pyrene(CAS No. 50-32-8) Benzo[b]fluoranthene(CAS No. 205-99-2) Benzo[j]fluoranthene(CAS No. 205-82-3) Benzo[k]fluoranthene(CAS No. 207-08-9) Chrysene(CAS No. 218-01-9) Dibenz[a,h]anthracene(CAS No. 53-70-3) Naphthalene (CAS No. 91-20-3) Toluene (CAS No. 108-88-3)	<5 <0.0001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.011
LH-100 Light Cyan	Toluene (CAS No. 108-88-3)	<0.01
LH-100 Light Magenta	Toluene (CAS No. 108-88-3)	<0.01
LH-100 White	Titanium dioxide (CAS No. 13463-67-7)	<15

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Please be notified that we evaluated the raw materials of the products to determine the presence of the substances specified under 2.Object Substances below. We did not measure or analyze the final products themselves.

1. Products

UV Ink LH-100 (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Clear)

2. Object Substances : TSCA Section 6 regulations :PBT 5substances (Effective Date 05/02/2021)

- (1) Phenol, isopropylated phosphate (PIP 3:1) (2) Decabromodiphenylether (DecaBDE)
(3) 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) (4) Hexachlorobutadiene (HCBD)
(5) Pentachlorothiophenol (PCTP)

3. Report

In our evaluation, we certify that we did not find the substances specified under 2.Object Substances above in the raw materials of the product listed under 1.Products above.

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K. Tsuchiya

Date: 08/06/2021

Name:

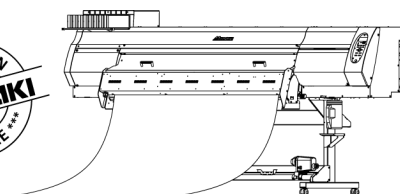
Kenji Tsuchiya

Title:

General Manager of Quality Management and Support Center

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Declaration on chemical substances in the raw materials of the ink

We declare that the raw materials of our ink do not use intentionally the specific aromatic amine 24 substances listed in Table 1 below and azo colorants (dyes, pigments) that generate them.

For your information, we evaluate the substances by the presence or absence in the raw materials of the inks and do not measure or analyze the final product.

1. Products

All of the ink* manufactured by MIMAKI ENGINEERING CO., LTD.

(Products include primer and washing liquid, target is limited to stock solution.)

*However, TP400 series is excluded.

2. Object Substances

Table 1 Specific aromatic amine 24 substances

No.	CAS No.	Substance	No.	CAS No.	Substance
1	92-67-1	biphenyl-4-ylamine	13	838-88-0	4,4'-methylenedi-o-toluidine
2	92-87-5	benzidine	14	120-71-8	6-methoxy-m-toluidine
3	95-69-2	4-chloro-o-toluidine	15	101-14-4	4,4'-methylene-bis-(2-chloroaniline)
4	91-59-8	2-naphtylamine	16	101-80-4	4,4'-oxydianiline
5	97-56-3	o-aminoazotoluene	17	139-65-1	4,4'-thiodianiline
6	99-55-8	5-nitro-o-toluidine	18	95-53-4	o-toluidine
7	106-47-8	4-chloroaniline	19	95-80-7	4-methyl-m-phenylenediamine
8	615-05-4	4-methoxy-m-phenylenediamine	20	137-17-7	2,4,5-trimethylaniline
9	101-77-9	4,4'-diaminodiphenylmethane	21	90-04-0	o-anisidine
10	91-94-1	3,3'-dichlorobenzidine	22	60-09-3	4-aminoazobenzene
11	119-90-4	3,3'-dimethoxybenzidine	23	95-68-1	2,4-xylydine
12	119-93-7	3,3'-dimethylbenzidine	24	87-62-7	2,6-xylydine

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Date: Apr. 01, 2024

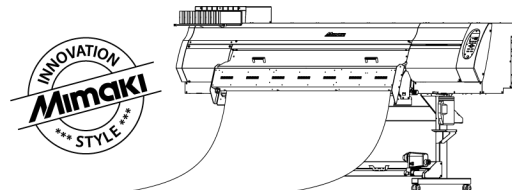
Name:

Soichiro Nakao

Title:

General Manager of Quality Management Department

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Declaration on chemical substances in the raw materials of the ink

We declare that the raw materials of our ink do not use intentionally and do not contain more than threshold value of the RoHS 10 substances listed in Table 1 below, specified in DIRECTIVE (EU) 2015/863 of June 2015.

For your information, we evaluate the substances by the presence or absence in the raw materials of the inks and do not measure or analyze the final product.

1. Products

All of the ink manufactured by MIMAKI ENGINEERING CO., LTD.

(Products include primer and washing liquid, target is limited to stock solution.)

2. Object Substances

Table 1 RoHS 10 substances

No.	Substance	Threshold value
1	Cadmium and its compounds	100ppm
2	Hexavalent chromium compounds	1000ppm
3	Lead and its compounds	1000ppm
4	Mercury and its compounds	1000ppm
5	Polybrominated biphenyls (PBBs)	1000ppm
6	Polybrominated diphenyl ethers (PBDEs)	1000ppm
7	Bis (2-ethylhexyl) phthalate (DEHP)	1000ppm
8	Butyl benzyl phthalate (BBP)	1000ppm
9	Dibutyl phthalate (DBP)	1000ppm
10	Diisobutyl phthalate (DIBP)	1000ppm

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