

4-69, Amazuka-cho, Nishi-ku, TEL+81-52-521-3600  
Nagoya 451-0021, Japan FAX+81-52-521-3899  
<http://www.shachihata.co.jp/>

12 September, 2023

**Report of Specification chemical substance Investigation**

Our company Report on following Substances.

<Product name> (Object : Ink, Solvent) :

- Artline PERMANENT MARKER EK-041T (Black)(Red)(Blue)(Brown)
- Artline PERMANENT MARKER EK-700  
(Black)(Red)(Blue)(Green)(Brown)(Orange)(Purple)(Yellow)
- Artline marking INK ESK-20  
(Black)(Red)(Blue)(Green)(Brown)(Orange)(Purple)(Yellow)
- Artline PAINT MARKER EK-400XF (White)(Black)(Green)(Yellow)
- TAT SOLVENT SOL-1-31A

<Object Substances>

- Attached Sheet

< Investigation result>

Following substance is contained.

**No. 12 Other chlorinated compounds**

**Definition of Halogen free**

- 900ppm or less chlorine(Cl)
- 900ppm or less bromine(Br)
- 1500ppm or less total halogens(Cl+Br)

Below Ink NOT comply with “Halogen free”.

Ink material contains chlorine (Cl) in the structure of colorants cross over 900 ppm.

EK-041T (Brown)

EK-700 (Brown)(Orange)(Yellow)

ESK-20 (Brown)(Orange)(Yellow)

EK-400XF (Green)(Yellow)

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**No. 91 GADSL(IMDS substances) (target: automotive parts)**

**Product Name ;**

**Artline PERMANENT MARKER EK-700 (Black)**

**Artline marking INK ESK-20 (Black)**

- Diphenylamine CasNo. 122-39-4 0.2%(Impurity)
- Resin acids and Rosin acids, hydrogenated, methyl esters  
CasNo. 8050-15-5 5%

**Artline PERMANENT MARKER EK-700 (Green)(Purple)**

**Artline marking INK ESK-20 (Green)(Purple)**

- Resin acids and Rosin acids, hydrogenated, methyl esters  
CasNo. 8050-15-5 5%

**Name of company : Shachihata Inc.**

**Position of post : Department Manager**

**Signature of Quality Assurance Department Manager:** \_\_\_\_\_



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**Attached Sheet**

No.	Name of substances
1	Cadmium and cadmium compounds
2	Hexavalent chromium compounds (Chromium (VI) compounds)
3	Lead and lead compounds
4	Mercury and mercury compounds
5	Polychlorinated biphenyls (PCBs) and specific substitutes
6	Polychlorinated naphthalenes (PCNs)
7	Polychlorinated terphenyls (PCTs)
8	Polyvinyl chloride (PVC) and PVC blends
9	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)
10	TCEP, TCPP, TDCPP
11	Chlorinated flame retardants (CFR)
12	Other chlorinated compounds
13	Polybrominated biphenyls (PBBs)
14	Polybrominated diphenylethers (PBDEs)
15	Hexabromocyclododecane (HBCDD)
16	Brominated flame retardants (BFR)
17	Other brominated compounds
18	Tri-substituted organostannic compounds
19	Dibutyltin (DBT) compounds
20	Diocetyl tin (DOT) compounds
21	Asbestos
22-1	Azocolourants and azodyes which form certain aromatic amines
22-2	Azocolourants and azodyes (2,4-Xylidine , 2,6-Xyildine) (target:Textiles, Leather)
23	Formaldehyde
24-1	Beryllium oxide
24-2	Beryllium and beryllium compounds
25-1	Phthalates, Selected Group 1 : DEHP, DBP, BBP, DIBP
25-2	Phthalates, Selected Group 2 : DINP, DIDP, DNOP
25-3	Other phthalates
26	Ozone depleting substances (ODS)
27	Fluorinated greenhouse gases (PFC, SF6, HFC)
28-1	Perfluorooctane sulfonic acid and its derivatives (PFOS)
28-3	Perfluorooctanoic acid (PFOA) and its salts and related compounds
28-5	PFHxS, its salts and related compounds
28-6	Perfluorohexanoic acid (PFHxA) and its salts and related substances
28-7	Long-chain (C9-C21) PFCAs and its salts and related substances
28-8	Per/polyfluoroalkyl substances (PFAS)
29-1	UV-320

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29-4	UV-328
30	Radioactive substances
31	Dimethyl fumarate (DMF)
32	Flame retardants, except chlorinated and brominated type
33	Antimony and antimony compounds
34-1	Diarsenic trioxide, Diarsenic pentaoxide
34-2	Other arsenic and arsenic compounds
35	Nickel and nickel compounds (Survey target: prolonged skin contact portion)
36	Cobalt dichloride
37-1	Specific polycyclic aromatic hydrocarbons (PAH)
37-2	Other polycyclic aromatic hydrocarbons (PAH)
38	Perchlorates
39	Bisphenol A (BPA)
40	Controlled Substances for leather/textile products (target:Textile in prolonged skin contact portion)
41	Fluorine compounds
42	Halogenated flame retardants (target: Plastic enclosure)
43	"Dechlorane Plus"™ (DP)
44	Decabromodiphenylethane (DBDPE)
45	Hexachlorobenzene(HCB)
46-1	Mineral Oil: MOAH (target: ink of package and printed material)
46-2	Mineral Oil: MOSH (target: ink of package and printed material)
81-1	Chemical substances specified in US TSCA LCPFAC SNUR"40 C.F.R § 721.10536 (b)(2)" (target: coating)
81-2	Perfluorooctanoic acid (PFOA) and its salts specified in US TSCA LCPFAC SNUR"40 C.F.R § 721.10536 (b)(3)" (target: coating)
82	US TSCA Priority chemicals
90	SVHC specified in EU REACH
91	GADSL(IMDS substances) (target: automotive parts)
100	Other chemical substances (BNST, Diisocyanates)