

To whom it may concern

Markem-Imaje Industries hereby certifies in good faith that **Markem-Imaje Continuous Inkjet & Large Character Valvejet Consumables** are not concerned by the here below listed 161 Substances of Very High Concerns which have to be declared only if content is upper than 0.1%.

Substances	CAS Number	SVHC Classification
2,4-Dinitrotoluene	121-14-2	Carcinogenic (article 57a)
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	Carcinogenic (article 57a)
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	vPvB (article 57e)
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCPs)	85535-84-8	PBT and vPvB (articles 57 d and 57 e)
Anthracene	120-12-7	PBT (article 57d)
Anthracene oil	90640-80-5	Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e)
Anthracene oil, anthracene paste	90640-81-6	Carcinogenic, mutagenic, PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	Carcinogenic, mutagenic, PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil, anthracene paste, distn. Lights	91995-17-4	Carcinogenic, mutagenic, PBT and vPvB (articles 57a, 57b, 57d and 57e)
Anthracene oil, anthracene-low	90640-82-7	Carcinogenic, mutagenic, PBT and vPvB (articles 57a, 57b, 57d and 57e)
Benzyl butyl phthalate (BBP)	85-68-7	Toxic for reproduction (article 57c)
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	Toxic for reproduction (article 57c)
Bis(tributyltin) oxide (TBTO)	56-35-9	PBT (article 57d)
Coal tar pitch, high temperature	65996-93-2	Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e)
Cobalt dichloride	7646-79-9	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Diarsenic pentaoxide	1303-28-2	Carcinogenic (article 57a)
Diarsenic trioxide	1327-53-3	Carcinogenic (article 57a)
Dibutyl Phthalate (DBP)	84-74-2	Toxic for reproduction (article 57c)
Diisobutyl phthalate	84-69-5	Toxic for reproduction (article 57c)
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	PBT (article 57d)
Lead chromate	7758-97-6	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Lead hydrogen arsenate	7784-40-9	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)



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Substances	CAS Number	SVHC Classification
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	Carcinogenic and toxic for reproduction (articles 57 a and 57 c))
Sodium dichromate dihydrate	7789-12-0 10588-01-9	Carcinogenic, mutagenic and toxic for reproduction (articles 57a, 57b and 57c)
Triethyl arsenate	15606-95-8	Carcinogenic (article 57a)
Tris(2-chloroethyl) phosphate	115-96-8	Toxic for reproduction (article 57c)
Acrylamide	79-06-1	Carcinogenic and mutagenic (articles 57 a and 57 b)
Trichloroethylene	79-01-6	Carcinogenic (article 57 a)
Boric acid	10043-35-3 11113-50-1	Toxic for reproduction (article 57 c)
Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4	Toxic for reproduction (article 57 c)
Tetraboron disodium heptaoxide, hydrate	12267-73-1	Toxic for reproduction (article 57 c)
Sodium chromate	7775-11-3	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
Potassium chromate	7789-00-6	Carcinogenic and mutagenic (articles 57 a and 57 b)
Ammonium dichromate	7789-09-5	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
Potassium dichromate	7778-50-9	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
Chromium trioxide	1333-82-0	Carcinogenic and mutagenic (articles 57 a and 57 b)
2-Ethoxyethanol	110-80-5	Toxic for reproduction (article 57c)
2-Methoxyethanol	109-86-4	Toxic for reproduction (article 57c)
Cobalt (II) diacetate	71-48-7	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Cobalt (II) carbonate	513-79-1	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Cobalt (II) dinitrate	10141-05-6	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Cobalt (II) sulphate	10124-43-3	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Acids generated from chromium trioxide and their oligomers <i>Group containing:</i> Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	Carcinogenic (article 57a)
2-Ethoxyethyl acetate	111-15-9	Toxic for reproduction (article 57c)
Strontium chromate	7789-06-2	Carcinogenic (article 57a)
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	Toxic for reproduction (article 57c)



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Substances	CAS Number	SVHC Classification
Hydrazine	302-01-2 7803-57-8	Carcinogenic (article 57a)
1-Methyl-2-pyrrolidone	872-50-4	Toxic for reproduction (article 57c)
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	Toxic for reproduction (article 57c)
1,2,3-Trichloropropane	96-18-4	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
Lead dipicrate	6477-64-1	Toxic for reproduction (article 57 c)
Lead styphnate	15245-44-0	Toxic for reproduction (article 57 c)
Lead diazide, Lead azide	13424-46-9	Toxic for reproduction (article 57 c),
Phenolphthalein	77-09-8	Carcinogenic (article 57 a)
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	Carcinogenic (article 57 a)
N,N-dimethylacetamide	127-19-5	Toxic for reproduction (article 57 c)
trilead diarsenate	3687-31-8	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
calcium arsenate	7778-44-1	Carcinogenic (article 57 a)
arsenic acid	7778-39-4	Carcinogenic (article 57 a)
bis(2-methoxyethyl) ether	111-96-6	Toxic for reproduction (article 57 c)
1,2-Dichloroethane	107-06-2	Carcinogenic (article 57 a)
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	Equivalent level of concern having probable serious effects to the environment (article 57 f)
2-Methoxyaniline o-Anisidine	90-04-0	Carcinogenic (article 57 a)
Bis(2-methoxyethyl) phthalate	117-82-8	Toxic for reproduction (article 57 c)
Formaldehyde, oligomeric reaction products with aniline	25214-70-4	Carcinogenic (article 57 a)
Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight		Carcinogenic (article 57 a)

Substances	CAS Number	SVHC Classification
Aluminosilicate Refractory Ceramic Fibres (RCF) are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na <sub>2</sub> O+K <sub>2</sub> O+CaO+MgO+BaO) content less or equal to 18% by weight		Carcinogenic (article 57 a)
Pentazinc chromate octahydroxide	49663-84-5	Carcinogenic (article 57 a)
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	Carcinogenic (article 57 a)
Dichromium tris(chromate)	24613-89-6	Carcinogenic (article 57 a)
1,2-bis(2-methoxyethoxy)ethane [TEGDME, triglyme]	112-49-2	Toxic for reproduction (article 57 c)
1,2-dimethoxyethane; ethylene glycol dimethyl ether [EGDME]	110-71-4	Toxic for reproduction (article 57 c)
Diboron trioxide	1303-86-2	Toxic for reproduction (article 57 c)
Formamide	75-12-7	Toxic for reproduction (article 57 c)
Lead(II) bis(methanesulfonate)	17570-76-2	Toxic for reproduction (article 57 c)
TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	Mutagenic (article 57 b)
β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	Mutagenic (article 57 b)
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	Carcinogenic (article 57 a)
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	Carcinogenic (article 57 a)
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	Carcinogenic (article 57 a)
[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	Carcinogenic (article 57 a)
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	Carcinogenic (article 57 a)
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	Carcinogenic (article 57 a)
Pyrochlore, antimony lead yellow	8012-00-8	Toxic for reproduction (Article 57 c)
6-methoxy-m-toluidine (p-cresidine)	120-71-8	Carcinogenic (Article 57a)
Henicosfluoroundecanoic acid	2058-94-8	vPvB (Article 57 e)

Substances	CAS Number	SVHC Classification
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] <i>[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]</i>	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	Equivalent level of concern having probable serious effects to human health (Article 57 f)
Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] <i>[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]</i>	85-42-7, 13149-00-3, 14166-21-3	Equivalent level of concern having probable serious effects to human health (Article 57 f)
Dibutyltin dichloride (DBTC)	683-18-1	Toxic for reproduction (Article 57 c)
Lead bis(tetrafluoroborate)	13814-96-5	Toxic for reproduction (Article 57 c)
Lead dinitrate	10099-74-8	Toxic for reproduction (Article 57 c)
Silicic acid, lead salt	11120-22-2	Toxic for reproduction (Article 57 c)
4-Aminoazobenzene	60-09-3	Carcinogenic (Article 57a)
Lead titanium zirconium oxide	12626-81-2	Toxic for reproduction (Article 57 c)
Lead monoxide (lead oxide)	1317-36-8	Toxic for reproduction (Article 57 c)
o-Toluidine	95-53-4	Carcinogenic (Article 57a)
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	Toxic for reproduction (Article 57 c)
Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped <i>[with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]</i>	68784-75-8	Toxic for reproduction (Article 57 c)
Trilead bis(carbonate)dihydroxide	1319-46-6	Toxic for reproduction (Article 57 c)
Furan	110-00-9	Carcinogenic (Article 57a)
N,N-dimethylformamide	68-12-2	Toxic for reproduction (Article 57 c)
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	-	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
4-Nonylphenol, branched and linear <i>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]</i>	-	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
4,4'-methylenedi-o-toluidine	838-88-0	Carcinogenic (Article 57a)
Diethyl sulphate	64-67-5	Carcinogenic (Article 57a); Mutagenic (Article 57b)
Dimethyl sulphate	77-78-1	Carcinogenic (Article 57a)
Lead oxide sulfate	12036-76-9	Toxic for reproduction (Article 57 c)
Lead titanium trioxide	12060-00-3	Toxic for reproduction (Article 57 c)
Acetic acid, lead salt, basic	51404-69-4	Toxic for reproduction (Article 57 c)
[Phthalato(2-)]dioxotrilead	69011-06-9	Toxic for reproduction (Article 57 c)
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	PBT (Article 57 d); vPvB (Article 57 e)
N-methylacetamide	79-16-3	Toxic for reproduction (Article 57 c)
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	Toxic for reproduction (Article 57 c)
1,2-Diethoxyethane	629-14-1	Toxic for reproduction (Article 57 c)
Tetralead trioxide sulphate	12202-17-4	Toxic for reproduction (Article 57 c)
N-pentyl-isopentylphthalate	776297-69-9	Toxic for reproduction (Article 57 c)

Substances	CAS Number	SVHC Classification
Dioxobis(stearato)trilead	12578-12-0	Toxic for reproduction (Article 57 c)
Tetraethyllead	78-00-2	Toxic for reproduction (Article 57 c)
Pentalead tetraoxide sulphate	12065-90-6	Toxic for reproduction (Article 57 c)
Pentacosfluorotridecanoic acid	72629-94-8	vPvB (Article 57 e)
Tricosfluorododecanoic acid	307-55-1	vPvB (Article 57 e)
Heptacosfluorotetradecanoic acid	376-06-7	vPvB (Article 57 e)
1-bromopropane (n-propyl bromide)	106-94-5	Toxic for reproduction (Article 57 c)
Methoxyacetic acid	625-45-6	Toxic for reproduction (Article 57 c)
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	Carcinogenic (Article 57a)
Methyloxirane (Propylene oxide)	75-56-9	Carcinogenic (Article 57a); Mutagenic (Article 57b)
Trilead dioxide phosphonate	12141-20-7	Toxic for reproduction (Article 57 c)
o-aminoazotoluene	97-56-3	Carcinogenic (Article 57a)
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	Toxic for reproduction (Article 57 c)
4,4'-oxydianiline and its salts	101-80-4	Carcinogenic (Article 57a); Mutagenic (Article 57b)
Orange lead (lead tetroxide)	1314-41-6	Toxic for reproduction (Article 57 c)
Biphenyl-4-ylamine	92-67-1	Carcinogenic (Article 57a)
Diisopentylphthalate	605-50-5	Toxic for reproduction (Article 57 c)
Fatty acids, C16-18, lead salts	91031-62-8	Toxic for reproduction (Article 57 c)
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	Equivalent level of concern having probable serious effects to human health (Article 57 f)
Sulfurous acid, lead salt, dibasic	62229-08-7	Toxic for reproduction (Article 57 c)
Lead cyanamidate	20837-86-9	Toxic for reproduction (Article 57 c)
Cadmium	7440-43-9	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
Pentadecafluorooctanoic acid (PFOA)	335-67-1	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
Dipentyl phthalate (DPP)	131-18-0	Toxic for reproduction (Article 57 c);
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]		Equivalent level of concern having probable serious effects to the environment (Article 57 f)
Cadmium oxide	1306-19-0	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
Cadmium Sulphide	1306-23-6	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)





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Substances	CAS Number	SVHC Classification
Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	Carcinogenic (Article 57a)
Diethyl phthalate	84-75-3	Toxic for reproduction (Article 57 c)
Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	Toxic for reproduction (Article 57 c)
Triethyl phosphate	25155-23-1	Toxic for reproduction (Article 57 c)
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	Carcinogenic (Article 57a)
Lead di(acetate)	301-04-2	Toxic for reproduction (Article 57 c)
1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear	68515-50-4	Toxic for reproduction (Article 57 c)
Sodium perborate; perboric acid, sodium salt	-	Toxic for reproduction (Article 57 c)
Sodium peroxometaborate	7632-04-4	Toxic for reproduction (Article 57 c)
Cadmium CHloride	10108-64-2	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57 c) Equivalent level of concern having probable serious effects to human health (Article 57 f)
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	Equivalent level of concern having probable serious effects to the environment (Article 57 f); Toxic for reproduction (article 57c)
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	PBT (Article 57 d); vPvB (Article 57 e)
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	Toxic for reproduction (Article 57 c)
reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)		Toxic for reproduction (Article 57 c)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	PBT (Article 57 d); vPvB (Article 57 e)
Cadmium fluoride	7790-79-6	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
Cadmium sulphate	10124-36-4, 31119-53-6	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)

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