

TEST REPORT

REPORT NUMBER : TURT180028251

APPLICANT NAME **Asts Profil Müh. ve Plas.San. ve Tic.A.Ş.**

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SAMPLE DESCRIPTION PVC Edge Band

DATE IN : 09 February, 2018 (11:22)

DATE OUT : 26 February, 2018

REQUEST : SVHC Test regarding REACH Regulation (EC) No. 1907/2006 for updated SVHC List of 15th January, 2018

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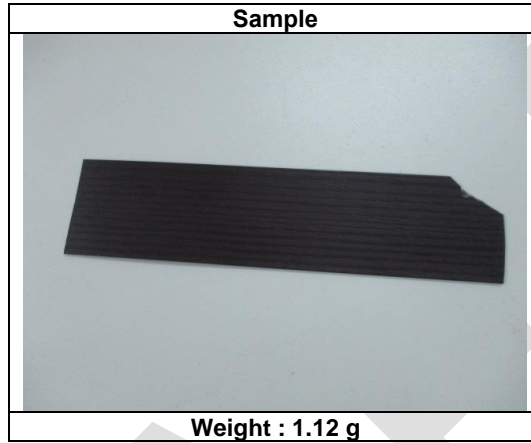
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180028251

Test Method	Result	Requirements
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Sample:



Tested Component Parts:

CS=Combined Sample

NO	Description
1	CS1 PVC Edge Band

Test Method	Result	Requirements
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(I) SVHC Test Results

(a) The First List (15 SVHC Released in Oct, 2008)

Chemical Substance	CAS-No.	RESULTS (% w/w) CS1
Cobalt Dichloride Δ	7646-79-9	<0.1%
Diarsenic Pentaoxide Δ	1303-28-2	<0.1%
Diarsenic Trioxide Δ	1327-53-3	<0.1%
Lead Hydrogen Arsenate Δ	7784-40-9	<0.1%
Triethyl Arsenate Δ	15606-95-8	<0.1%
Sodium Dichromate Δ	7789-12-0, 10588-01-9	<0.1%
Bis (Tributyltin) Oxide (TBTO) Δ	56-35-9	<0.1%
Anthracene	120-12-7	<0.1%
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	<0.1%
Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	<0.1%
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	<0.1%
Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	<0.1%
Dibutyl Phthalate (DBP)	84-74-2	<0.1%
Benzyl Butyl Phthalate (BBP)	85-68-7	<0.1%
Short Chain Chlorinated Paraffins (C ₁₀₋₁₃)	85535-84-8	<0.1%

(b) The Second List (13 SVHC Release in Jan, 2010 and Mar, 2010)

Chemical Substance	CAS-No.	RESULTS (% w/w) CS1
Lead Chromate Δ	7758-97-6	<0.1%
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	<0.1%
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	<0.1%
Tris (2-Chloroethyl) Phosphate	115-96-8	<0.1%
2,4-Dinitrotoluene	121-14-2	<0.1%
Diisobutyl Phthalate (DIBP)	84-69-5	<0.1%
Coal Tar Pitch, High Temperature	65996-93-2	<0.1%
Anthracene Oil	90640-80-5	<0.1%
Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	<0.1%
Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	<0.1%
Anthracene Oil, Anthracene-low	90640-82-7	<0.1%
Anthracene Oil, Anthracene Paste	90640-81-6	<0.1%
Acrylamide	79-06-1	<0.1%

Test Method	Result	Requirements
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(c) The Third List (8 SVHC Release in Jun,2010)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
Boric Acid Δ	10043-35-3, 11113-50-1	<0.1%
Disodium Tetraborate, Anhydrous Δ	1330-43-4, 12179-04-3, 1303-96-4	<0.1%
Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	<0.1%
Sodium Chromate Δ	7775-11-3	<0.1%
Potassium Chromate Δ	7789-00-6	<0.1%
Ammonium Dichromate Δ	7789-09-5	<0.1%
Potassium Dichromate Δ	7778-50-9	<0.1%
Trichloroethylene	79-01-6	<0.1%

(d) The Fourth List (8 SVHC Release in Dec,2010)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
2-Methoxyethanol	109-86-4	<0.1%
2-Ethoxyethanol	110-80-5	<0.1%
Cobalt Sulphate Δ	10124-43-3	<0.1%
Cobalt Dinitrate Δ	10141-05-6	<0.1%
Cobalt Carbonate Δ	513-79-1	<0.1%
Cobalt Diacetate Δ	71-48-7	<0.1%
Chromium Trioxide Δ	1333-82-0	<0.1%
Chromic Acid Δ		
Dichromic Acid Δ	7738-94-5	<0.1%
Oligomers of Chromic Acid and Dichromic Acid Δ	13530-68-2 --	

(e) The Fifth List (7 SVHC Release in Jun, 2011)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
Strontium ChromateΔ	7789-06-2	<0.1%
2-ethoxyethyl acetate (2-EEA)	111-15-9	<0.1%
1,2-Benzenedicarboxylic acid, di-C ₇₋₁₁ - branched and linear alkyl esters (DHNUP)	68515-42-4	<0.1%
Hydrazine	7803-57-8 302-01-2	<0.1%
1-methyl-2-pyrrolidone	872-50-4	<0.1%
1,2,3-trichloropropane	96-18-4	<0.1%
1,2-Benzenedicarboxylic acid, di-C ₆₋₈ - branched alkyl esters, C ₇ -rich (DIHP)	71888-89-6	<0.1%

Test Method	Result	Requirements
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(f) The Sixth List (20 SVHC Release in Dec, 2011)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
Lead dipicrate Δ	6477-64-1	<0.1%
Lead styphnate Δ	15245-44-0	<0.1%
Lead azide; Lead diazide Δ	13424-46-9	<0.1%
Phenolphthalein	77-09-8	<0.1%
2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	<0.1%
N,N-dimethylacetamide (DMAC)	127-19-5	<0.1%
Trilead diarsenate Δ	3687-31-8	<0.1%
Calcium arsenate Δ	7778-44-1	<0.1%
Arsenic acid Δ	7778-39-4	<0.1%
Bis(2-methoxyethyl) ether	111-96-6	<0.1%
1,2-Dichloroethane	107-06-2	<0.1%
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert- Octylphenol)	140-66-9	<0.1%
2-Methoxyaniline; o-Anisidine	90-04-0	<0.1%
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	<0.1%
Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	<0.1%
Pentazinc chromate octahydroxide Δ	49663-84-5	<0.1%
Potassium hydroxyoctaoxodizincate di- chromate Δ	11103-86-9	<0.1%
Dichromium tris(chromate) Δ	24613-89-6	<0.1%
Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	<0.1%
Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	<0.1%

Test Method	Result	Requirements
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(g) The Seventh List (13 SVHC Release in Jun, 2012)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	<0.1%
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	<0.1%
Diboron trioxide Δ	1303-86-2	<0.1%
Formamide	75-12-7	<0.1%
Lead(II) bis(methanesulfonate) Δ	17570-76-2	<0.1%
TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	<0.1%
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	<0.1%
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	<0.1%
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	<0.1%
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	<0.1%
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	<0.1%
α,α -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	<0.1%
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with \geq 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	<0.1%

(h) The Eighth List (54 SVHC Release in Dec, 2012)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	<0.1%
Pentacosfluorotridecanoic acid	72629-94-8	<0.1%
Tricosfluorododecanoic acid	307-55-1	<0.1%
Henicosfluoroundecanoic acid	2058-94-8	<0.1%
Heptacosfluorotetradecanoic acid	376-06-7	<0.1%
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	<0.1%
Cyclohexane-1,2-dicarboxylic anhydride [1]		
cis-cyclohexane-1,2-dicarboxylic anhydride [2]	85-42-7	<0.1%

Test Method	Result	Requirements
trans-cyclohexane-1,2-dicarboxylic anhydride [3] [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].	13149-00-3 14166-21-3	
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [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]	25550-51-0 19438-60-9 48122-14-1 57110-29-9	<0.1%
4-Nonylphenol, branched and linear [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]	--	<0.1%
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	--	<0.1%
Methoxyacetic acid	625-45-6	<0.1%
N,N-dimethylformamide	68-12-2	<0.1%
Dibutyltin dichloride (DBTC) Δ	683-18-1	<0.1%
Lead monoxide (Lead oxide) Δ	1317-36-8	<0.1%
Orange lead (Lead tetroxide) Δ	1314-41-6	<0.1%
Lead bis(tetrafluoroborate) Δ	13814-96-5	<0.1%
Trilead bis(carbonate)dihydroxide Δ	1319-46-6	<0.1%
Lead titanium trioxideΔ	12060-00-3	<0.1%
Lead titanium zirconium oxideΔ	12626-81-2	<0.1%
Silicic acid, lead salt Δ	11120-22-2	<0.1%
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead- dopedΔ [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]	68784-75-8	<0.1%
1-bromopropane (n-propyl bromide)	106-94-5	<0.1%
Methyloxirane (Propylene oxide)	75-56-9	<0.1%
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	<0.1%
Diisopentylphthalate (DIPP)	605-50-5	<0.1%
N-pentyl-isopentylphthalate	776297-69-9	<0.1%
1,2-diethoxyethane	629-14-1	<0.1%

Test Method	Result	Requirements
Acetic acid, lead salt, basic Δ	51404-69-4	<0.1%
Lead oxide sulfate Δ	12036-76-9	<0.1%
[Phthalato(2-)]dioxotrilead Δ	69011-06-9	<0.1%
Dioxobis(stearato)trilead Δ	12578-12-0	<0.1%
Fatty acids, C16-18, lead salts Δ	91031-62-8	<0.1%
Lead cyanamidate Δ	20837-86-9	<0.1%
Lead dinitrate Δ	10099-74-8	<0.1%
Pentalead tetraoxide sulphate Δ	12065-90-6	<0.1%
Pyrochlore, antimony lead yellow Δ	8012-00-8	<0.1%
Sulfurous acid, lead salt, dibasic Δ	62229-08-7	<0.1%
Tetraethyllead Δ	78-00-2	<0.1%
Tetralead trioxide sulphate Δ	12202-17-4	<0.1%
Trilead dioxide phosphonate Δ	12141-20-7	<0.1%
Furan	110-00-9	<0.1%
Diethyl sulphate	64-67-5	<0.1%
Dimethyl sulphate	77-78-1	<0.1%
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine	143860-04-2	<0.1%
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	<0.1%
4,4'-methylenedi-o-toluidine	838-88-0	<0.1%
4,4'-oxydianiline and its salts	101-80-4	<0.1%
4-aminoazobenzene	60-09-3	<0.1%
4-methyl-m-phenylenediamine (toluene-2,4- diamine)	95-80-7	<0.1%
6-methoxy-m-toluidine (p-cresidine)	120-71-8	<0.1%
Biphenyl-4-ylamine	92-67-1	<0.1%
o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3	<0.1%
o-toluidine	95-53-4	<0.1%
N-methylacetamide	79-16-3	<0.1%

(i) The ninth List (6 SVHC Release in Jun, 2013)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
Cadmium Δ	7440-43-9	<0.1%
Cadmium oxide Δ	1306-19-0	<0.1%
Dipentyl phthalate (DPP)	131-18-0	<0.1%
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]	--	<0.1%
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	<0.1%
Pentadecafluorooctanoic acid (PFOA)	335-67-1	<0.1%

Test Method	Result	Requirements
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(j) The tenth List (7 SVHC Release in Dec, 2013)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
Cadmium sulphide Δ	1306-23-6	<0.1%
Disodium 3,3'-[[1,1'-biphenyl]-4,4'- diylbis(azo)]bis(4-aminonaphthalene-1- sulphonate) (C.I. Direct Red 28)	573-58-0	<0.1%
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	<0.1%
Dihexyl phthalate	84-75-3	<0.1%
Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	<0.1%
Lead di(acetate) Δ	301-04-2	<0.1%
Trixylyl phosphate	25155-23-1	<0.1%

(k) The eleventh List (4 SVHC Release in Jun, 2014)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	<0.1%
Cadmium chloride Δ	10108-64-2	<0.1%
Sodium perborate; Perboric acid, sodium salt Δ	--	<0.1%
Sodium peroxometaborate Δ	7632-04-4	<0.1%

Test Method	Result	Requirements
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(l) The twelfth List (6 SVHC Release in December, 2014)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	<0.1%
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	<0.1%
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	<0.1%
Cadmium fluoride Δ	7790-79-6	<0.1%
Cadmium sulphate Δ	10124-36-4; 31119-53-6	<0.1%
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)	--	<0.1%

(m) The thirteenth List (2 SVHC Release in June, 2015)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with \geq 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5; 68648-93-1	<0.1%
5-Sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-Sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	--	<0.1%

Test Method	Result	Requirements
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(n) The fourteenth List (5 SVHC Release in December, 2015)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
1,3-Propanesultone	1120-71-4	<0.1%
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	<0.1%
2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	<0.1%
Nitrobenzene	98-95-3	<0.1%
Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 ; 21049-39-8 ; 4149-60-4	<0.1%

(o) The fifteenth List (1 SVHC Release in June, 2016)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		Sample
Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	<0.1%

(p) The Sixteenth List (4 SVHC Release in January, 2017)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		CS1
4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	<0.1%
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	<0.1%
p-(1,1-dimethylpropyl)phenol	80-46-6	<0.1%
4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	<0.1%

(r) The Seventeenth List (1 SVHC Release in July, 2017)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		Sample
Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	-	<0.1%

Test Method	Result	Requirements
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(s) The Eighteenth List (7 SVHC Release in January, 2018)

Chemical Substance	CAS-No.	RESULTS (% w/w)
		Sample
Benz[a]anthracene	56-55-3, 1718-53-2	<0.1%
Cadmium carbonate	513-78-0	<0.1%
Cadmium hydroxide	21041-95-2	<0.1%
Cadmium nitrate	10022-68-1, 10325-94-7	<0.1%
Chrysene	218-01-9, 1719-03-5	<0.1%
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octa deca-7,15-diene ("Dechlorane Plus"™)	-	<0.1%
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	<0.1%

DRAFT

Test Method	Result	Requirements
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Remarks:

- SVHC = Substance of very high concern
ND = Not detected (the result is less than the reporting limit)
Δ = Determination was based on elemental analysis. The content was calculated based on assumption of worstcase.

Reporting limit=0.010% (raw material)

SVHC = Substance of very high concern

ND = Not detected (the result is less than the reporting limit)

Reporting limit = Quantitation limit of analyte in sample

Δ = Determination was based on elemental analysis. The content was calculated based on assumption of worst-case.

As applicant's requirement, materials were screened in composite testing and results were reported in proportion with the whole product weight.

Notes:

1. Substances of very high concern (SVHC) are classified as:

- Carcinogenic, mutagenic or toxic to reproduction category 1 (proven on humans) and category 2 (proven on animals)
- Persistent, bioaccumulative and toxic chemicals (PBT)
- Very persistent and very bioaccumulative chemicals (vPvB)
- Other similar substances such as endocrine disrupters

2. If the imported or manufactured volume of each individual SVHC in article is more than 0.1% (w/w) and if it exceeds 1 tonne per year across all product ranges, then importer or manufacturer require notification to the European Chemical Agency (ECHA). For substances included in the Candidate List on or after 1 December 2010, the notifications have to be submitted no later than 6 months after the inclusion. The following information has to be submitted for notification:

- Identification of the registrant and the substance
- Classification and labelling of the substance
- Description of use of the substance and the article
- Registration number, if available
- Tonnage range

3. As per article 31 of regulation (EC) No. 1907/2006 (REACH), suppliers of mixtures not classified as dangerous according to directive 1999/45/EC have to provide the recipients, at their request, with a safety data sheet if the mixtures contain at least one substance on the SVHC candidate list and its individual concentration is 0.1%(w/w) or above for non-gaseous preparations.

END OF TEST REPORT