



REACH Test Report

Sample Serial No. : 201300040001

Applicant	Igepa group GmbH & Co., KG
Address	Sachsenfeld 4, 20097 Hamburg, Germany
Sample Name	MasterJet S Mesh 270 B1 BLIZZARD Mesh ohne Liner
Item No.	SBI-MR
Description	White solid
Test Period	Jan. 9, 2013 ~ Jan. 11, 2013
Test Requirement	Eighty four (84) Substances of Very High Concern (SVHC) analysis. SVHC list is based on the publication by European Chemical Agency (ECHA), regarding regulation (EC) No 1907/2006 concerning the REACH.
Test Method	EPA 3550C+8270D, EPA 3052+6010C Because it is difficult to detect the substances CoCl_2 , $\text{C}_{24}\text{H}_{54}\text{OSn}_2$, $\text{Na}_2\text{Cr}_2\text{O}_7$, PbAsHO_4 , As_2O_3 , As_2O_5 , Triethyl arsenate PbCrO_4 , Lead chromate molybdate sulphate red (C.I. Pigment Red 104), Lead sulfochromate yellow (C.I. Pigment Yellow 34), Triethyl arsenate, H_3BO_3 , $\text{Na}_2\text{B}_4\text{O}_7$, $\text{Na}_2\text{B}_4\text{O}_7 \cdot 7\text{H}_2\text{O}$, Na_2CrO_4 , K_2CrO_4 , $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$, $\text{K}_2\text{Cr}_2\text{O}_7$, CrO_3 , $\text{Co}(\text{CH}_3\text{COO})_2$, CoCO_3 , $\text{Co}(\text{NO}_3)_2$, CoSO_4 , SrCrO_4 , Calcium arsenate, Potassium hydroxyoctaoxidizincatedichromate, Lead dipicrate, Arsenic acid, Trilead diarsenate, Pentazinc chromate octahydroxide, Lead diazide, Lead azide, Lead styphnate, Diboron trioxide, Lead (II) bis (methanesulfonate), Aluminosilicate Refractory Ceramic Fibres, Zirconia Aluminosilicate, Refractory Ceramic Fibres, Dichromium tris(chromate), Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid via direct tests (but via converting them into detectable elements), we consider that all the relative elements exist in the form of their compounds when having the test.
Test Results	The concentrations of the 84 SVHCs defined in Article 57 of REACH Regulation in the client's product(s) are less than the concentration limit of 0.1 % weight by weight (w/w). Please refer to next page(s).

Complied by Zhang Meiting

Inspected by Qu hua juan

Approved by Walt Lin

Walt Lin/ General Manager

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Test Results (Unit: mg/kg):

1. SVHCs publicized on 28 October 2008

No.	Test Item(s)	CAS No.	MCV	Method	MDL	Test Result(s)
1	Anthracene	120-12-7	1000	EPA 3550C+8270D	100	N.D.(QT)
2	4,4'- Diaminodiphenylmethane(MDA)	101-77-9	1000	EPA 3550C+8270D	100	N.D.(QT)
3	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	1000	EPA 3550C+8270D	100	N.D.(QT)
4	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)	1000	EPA 3550C+8270D	100	N.D.(QT)
5	Alkanes, C10-13,chloro (Short ChainChlorinated Paraffins)	85535-84-8	1000	EPA 3550C+8270D	100	N.D.(QT)
6	Dibutyl phthalate(DBP)	84-74-2	1000	EPA 3550C+8270D	10	N.D.(QT)
7	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	1000	EPA 3550C+8270D	10	102
8	Benzyl butyl phthalate(BBP)	85-68-7	1000	EPA 3550C+8270D	10	N.D.(QT)
9	Cobalt dichloride	7646-79-9	1000	EPA 3052+6010C	100	N.D.(ST)
10	Bis(tributyltin)oxide(TBTO)	56-35-9	1000	EPA 3052+6010C	100	N.D.(ST)
11	Sodium dichromate	7789-12-0, 10588-01-9	1000	EPA 3052+6010C	100	N.D.(ST)
12	Lead hydrogen arsenate	7784-40-9	1000	EPA 3052+6010C	100	N.D.(ST)
13	Diarsenic trioxide	1327-53-3	1000	EPA 3052+6010C	100	N.D.(ST)
14	Diarsenic pentaoxide	1303-28-2	1000	EPA 3052+6010C	100	N.D.(ST)
15	Triethyl arsenate	15606-95-8	1000	EPA 3052+6010C	100	N.D.(ST)

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2. SVHCs publicized on 13 January 2010 and 30 March 2010

No.	Test Item(s)	CAS No.	MCV	Method	MDL	Test Result(s)
16	Anthracene oil	90640-80-5	1000	EPA 3550C+8270D	100	N.D.(QT)
17	Anthracene oil, anthracene paste, distn. lights	91995-17-4	1000	EPA 3550C+8270D	100	N.D.(QT)
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	1000	EPA 3550C+8270D	100	N.D.(QT)
19	Anthracene oil, anthracene-low	90640-82-7	1000	EPA 3550C+8270D	100	N.D.(QT)
20	Anthracene oil, anthracene paste	90640-81-6	1000	EPA 3550C+8270D	100	N.D.(QT)
21	Pitch, coal tar, high temp.	65996-93-2	1000	EPA 3550C+8270D	100	N.D.(QT)
22	Acrylamide	79-06-1	1000	EPA 3550C+8270D	100	N.D.(QT)
23	2,4-Dinitrotoluene	121-14-2	1000	EPA 3550C+8270D	100	N.D.(QT)
24	Diisobutyl phthalate	84-69-5	1000	EPA 3550C+8270D	10	N.D.(QT)
25	Tris(2-chloroethyl)phosphate	115-96-8	1000	EPA 3550C+8270D	100	N.D.(QT)
26	Lead chromate	7758-97-6	1000	EPA 3052+6010C	100	N.D.(ST)
27	Lead chromate molybdate sulphate red(C.I. Pigment Red 104)	12656-85-8	1000	EPA 3052+6010C	100	N.D.(ST)
28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	1000	EPA 3052+6010C	100	N.D.(ST)

3. SVHCs publicized on 18 June 2010

No.	Test Item(s)	CAS No.	MCV	Method	MDL	Test Result(s)
29	Trichloroethylene	79-01-6	1000	EPA 3550C+8270D	100	N.D.(QT)
30	Boric acid	10043-35-3, 11113-50-1	1000	EPA 3052+6010C	100	N.D.(QT)
31	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	1000	EPA 3052+6010C	100	N.D.(QT)
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	1000	EPA 3052+6010C	100	N.D.(QT)
33	Sodium chromate	7775-11-3	1000	EPA 3052+6010C	100	N.D.(ST)
34	Potassium chromate	7789-00-6	1000	EPA 3052+6010C	100	N.D.(ST)
35	Ammonium dichromate	7789-09-5	1000	EPA 3052+6010C	100	N.D.(ST)
36	Potassium dichromate	7778-50-9	1000	EPA 3052+6010C	100	N.D.(ST)

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4. SVHCs publicized on 15 December 2010

No.	Test Item(s)	CAS No.	MCV	Method	MDL	Test Result(s)
37	Chromium trioxide	1333-82-0	1000	EPA 3052+6010C	100	N.D.(ST)
38	2-Ethoxyethanol	110-80-5	1000	EPA 3550C+8270D	100	N.D.(QT)
39	2-Methoxyethanol	109-86-4	1000	EPA 3550C+8270D	100	N.D.(QT)
40	Cobalt(II) diacetate	71-48-7	1000	EPA 3052+6010C	100	N.D.(ST)
41	Cobalt (II) carbonate	513-79-1	1000	EPA 3052+6010C	100	N.D.(ST)
42	Cobalt dinitrate	10141-05-6	1000	EPA 3052+6010C	100	N.D.(ST)
43	Cobalt (II) sulphate	10124-43-3	1000	EPA 3052+6010C	100	N.D.(ST)
44	Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5, 13530-68-2	1000	EPA 3052+6010C	100	N.D.(ST)

5. SVHCs publicized on 20 June 2011

No.	Test Item(s)	CAS No.	MCV	Method	MDL	Test Result(s)
45	2-Ethoxyethyl acetate	111-15-9	1000	EPA 3550C+8270D	100	N.D.(QT)
46	Strontium chromate	7789-06-2	1000	EPA 3052+6010C	100	N.D.(ST)
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	1000	EPA 3550C+8270D	100	N.D.(QT)
48	Hydrazine	7803-57-8, 302-01-2	1000	EPA 3550C+8270D	100	N.D.(QT)
49	N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone	872-50-4	1000	EPA 3550C+8270D	100	N.D.(QT)
50	1,2,3-trichloropropane	96-18-4	1000	EPA 3550C+8270D	100	N.D.(QT)
51	1, 2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	1000	EPA 3550C+8270D	100	N.D.(QT)



6. SVHCs publicized on 19 December 2011

No.	Test Item(s)	CAS No.	MCV	Method	MDL	Test Result(s)
52	Calcium arsenate	7778-44-1	1000	EPA 3052+6010C	100	N.D.(ST)
53	Bis(2-methoxyethyl) ether	111-96-6	1000	EPA 3550C+8270D	100	N.D.(QT)
54	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	1000	EPA 3052+6010C	100	N.D.(ST)
55	Lead dipicrate	6477-64-1	1000	EPA 3052+6010C	100	N.D.(ST)
56	N,N-dimethylacetamide	127-19-5	1000	EPA 3550C+8270D	100	N.D.(QT)
57	Arsenic acid	7778-39-4	1000	EPA 3052+6010C	100	N.D.(ST)
58	2-Methoxyaniline; o-Anisidine	90-04-0	1000	EPA 3550C+8270D	100	N.D.(QT)
59	Trilead diarsenate	3687-31-8	1000	EPA 3052+6010C	100	N.D.(ST)
60	1,2-dichloroethane	107-06-2	1000	EPA 3550C+8270D	100	N.D.(QT)
61	Pentazinc chromate octahydroxide	49663-84-5	1000	EPA 3052+6010C	100	N.D.(ST)
62	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	1000	EPA 3550C+8270D	100	N.D.(QT)
63	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	1000	EPA 3550C+8270D	100	N.D.(QT)
64	Bis(2-methoxyethyl) phthalate	117-82-8	1000	EPA 3550C+8270D	10	N.D.(QT)
65	Lead diazide, Lead azide	13424-46-9	1000	EPA 3052+6010C	100	N.D.(ST)
66	Lead styphnate	15245-44-0	1000	EPA 3052+6010C	100	N.D.(ST)
67	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	1000	EPA 3550C+8270D	100	N.D.(QT)
68	Phenolphthalein	77-09-8	1000	EPA 3550C+8270D	100	N.D.(QT)
69	Dichromium tris(chromate)	24613-89-6	1000	EPA 3052+6010C	100	N.D.(ST)
70*	Aluminosilicate Refractory Ceramic Fibres	---	1000	EPA 3052+6010C	100	N.D.(ST)
71*	Zirconia Aluminosilicate, Refractory Ceramic Fibres	---	1000	EPA 3052+6010C	100	N.D.(ST)

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7. SVHCs publicized on 18 June 2012

No.	Test Item(s)	CAS No.	MCV	Method	MDL	Test Result(s)
72	1,2-bis (2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	1000	EPA 3550C+8270D	100	N.D.(QT)
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	1000	EPA 3550C+8270D	10	N.D.(QT)
74	Diboron trioxide	1303-86-2	1000	EPA 3052+6010C	100	N.D.(ST)
75	Formamide	75-12-7	1000	EPA 3550C+8270D	100	N.D.(QT)
76	Lead (II) bis (methanesulfonate)	17570-76-2	1000	EPA 3052+6010C	100	N.D.(ST)
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	1000	EPA 3550C+8270D	100	N.D.(QT)
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	1000	EPA 3550C+8270D	100	N.D.(QT)
79	4,4'-bis (dimethylamino) benzophenone (Michler's ketone)	90-94-8	1000	EPA 3550C+8270D	100	N.D.(QT)
80	N, N, N', N' -tetramethyl -4,4'-methylenedianiline (Michler's base)	101-61-1	1000	EPA 3550C+8270D	100	N.D.(QT)
81**	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	1000	EPA 3550C+8270D	100	N.D.(QT)
82**	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	1000	EPA 3550C+8270D	100	N.D.(QT)
83**	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	1000	EPA 3550C+8270D	100	N.D.(QT)
84**	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	1000	EPA 3550C+8270D	100	N.D.(QT)

Remarks:

1. N.D. = Not detected (<MDL); ST = Screening Test; QT = Qualitative Test; MDL= Method Detection Limits; MCV= Maximum Concentration Values
2. *: Be 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:



(70*) Aluminosilicate Refractory Ceramic Fibres

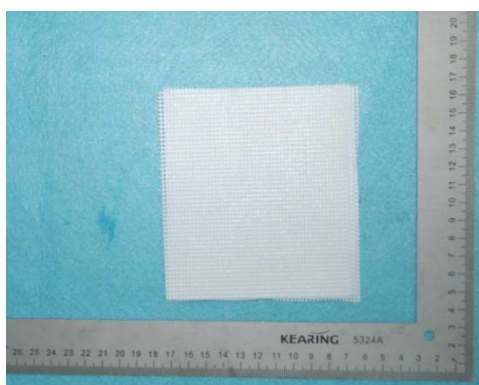
- a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges
- b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm)
- c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight

(71*) Zirconia Aluminosilicate Refractory Ceramic Fibres

- 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 ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight

3. ** (Items 81, 82, 83, 84) [with 0.1% of Michler's ketone (EC No. 202 -027-5) or Michler's base (EC No. 202-959-2)] is identified as a substance meeting the criteria of Article 57 (a) of Regulation (EC) 1907/2006 (REACH) owing to its classification as carcinogen category 1A or 1B.

Photo(s):



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The end of report

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