

Test Report

Report No. RLSZE001198580001

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Applicant DONG GUAN POWER PACKING(INT'L)CO.,LTD. /DONG GUAN SHUO RECORD PLASTIC CO.,LTD.

Address DONGGUAN CITY HONG MEIZHEN LI ZHOU CORNER MANAGEMENT DISTRICT

Report on the submitted sample(s) said to be

Sample Name EVA/PE 胶片
Sample Description Black expanded solid
Sample Received Date Mar. 9, 2012
Testing Period Mar. 9, 2012 to Mar. 14, 2012

Test Requested

As specified by client, to screen the twenty substances of SVHC under Regulation(EC) No 1907/2006 of REACH, including: Dichromium tris(chromate); Potassium hydroxyoctaoxodizincatedichromate;Pentazine chromate octahydroxide; Aluminosilicate Refractory Ceramic Fibres (RCF); Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF); Formaldehyde, oligomeric reaction products with aniline (technical MDA); Bis(2-methoxyethyl) phthalate; 2-Methoxyaniline(o-Anisidine); 4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol); 1,2-Dichloroethane; Bis(2-methoxyethyl) ether; Arsenic acid; Calcium arsenate; Trilead diarsenate; N,N-dimethylacetamide (DMAC); 2,2'-dichloro-4,4'-methylenedianiline (MOCA); Phenolphthalein; Lead diazide; Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate); Lead dipicrate in the submitted sample.

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).

Summary According to the analytical results, concentrations of twenty substances of SVHC are all less than 0.1%(w/w) in the submitted sample.

Tested by

Rick

Inspected by

Vargas

Approved by

Dylin

Date

Mar. 14, 2012

Technical Manager



No. 11369019



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Test Method

No.	Substance Name(s)	Test Method and Equipment(s)	Substance Classification	Report Limit
1	^① Dichromium tris(chromate)	Refer to US EPA 3052:1996/US EPA 3060A:1996, ICP-OES/UV-Vis	Carcinogen, cat 2	0.01%
2	^① Potassium hydroxyoctaoxodizincatedichromate	Refer to US EPA 3052:1996/US EPA 3060A:1996, ICP-OES/UV-Vis	Carcinogen, cat 1	0.01%
3	^① Pentazinc chromate octahydroxide	Refer to US EPA 3052:1996/ US EPA 3060A:1996, ICP-OES/UV-Vis	Carcinogen, cat 1	0.01%
4	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	Refer to US EPA 3052:1996, ICP-OES/SEM-EDS	Carcinogen, cat 2	0.05%
5	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	Refer to US EPA 3052:1996, ICP-OES/SEM-EDS	Carcinogen, cat 2	0.05%
6	^③ Formaldehyde, oligomeric reaction products with aniline (technical MDA)	Refer to US EPA 3550C:2007, GC-MS	Carcinogen, cat 2	0.01%
7	Bis(2-methoxyethyl) phthalate	Refer to EN 14372:2004, GC-MS	Toxic for reproduction,cat2	0.005%
8	2-Methoxyaniline (o-Anisidine)	Refer to US EPA 3550C:2007, GC-MS	Carcinogen, cat 2	0.005%
9	4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	Refer to US EPA 3550C:2007, GC-MS	Equivalent concern*	0.005%
10	1,2-Dichloroethane	Refer to US EPA 5021:1996; Headspace-GC/MS	Carcinogen, cat 2	0.005%
11	Bis(2-methoxyethyl) ether	Refer to US EPA 3550C:2007, GC-MS	Carcinogen, cat 2	0.005%
12	^① Arsenic acid	Refer to US EPA 3052:1996, ICP-OES	Carcinogen, cat 1	0.01%
13	^① Calcium arsenate	Refer to US EPA 3052:1996, ICP-OES	Carcinogen, cat 1	0.01%
14	^① Trilead diarsenate	Refer to US EPA 3052:1996, ICP-OES	Carcinogen, cat 1; Toxic for reproduction, cat1	0.01%
15	N,N-dimethylacetamide (DMAC)	Refer to US EPA 3550C:2007, GC-MS	Carcinogen, cat 2	0.005%
16	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	Refer to US EPA 3550C:2007, GC-MS	Carcinogen, cat 2	0.005%
17	Phenolphthalein	Refer to US EPA 3550C:2007, HPLC	Carcinogen, cat 2	0.005%
18	^① Lead diazide	Refer to US EPA 3052:1996, ICP-OES	Toxic for reproduction,cat1	0.01%
19	^① Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)	Refer to US EPA 3052:1996, ICP-OES	Toxic for reproduction,cat1	0.01%
20	^① Lead dipicrate	Refer to US EPA 3052:1996, ICP-OES	Toxic for reproduction,cat1	0.01%

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Test Result

No.	Substance Name(s)	CAS No.	EC No.	Concentration(%)
1	^① Dichromium tris(chromate)	24613-89-6	246-356-2	N.D.
2	^① Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	N.D.
3	^① Pentazinc chromate octahydroxide	49663-84-5	256-418-0	N.D.
4	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.
5	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.
6	^③ Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	N.D.
7	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	N.D.
8	2-Methoxyaniline(o-Anisidine)	90-04-0	201-963-1	N.D.
9	4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	205-426-2	N.D.
10	1,2-Dichloroethane	107-06-2	203-458-1	N.D.
11	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	N.D.
12	^① Arsenic acid	7778-39-4	231-901-9	N.D.
13	^① Calcium arsenate	7778-44-1	231-904-5	N.D.
14	^① Trilead diarsenate	3687-31-8	222-979-5	N.D.
15	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	N.D.
16	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	N.D.
17	Phenolphthalein	77-9-8	201-004-7	N.D.
18	^① Lead diazide	13424-46-9	236-542-1	N.D.
19	^① Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)	15245-44-0	239-290-0	N.D.
20	^① Lead dipicrate	6477-64-1	229-335-2	N.D.

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Note:

- 1.-w/w = weight by weight
- 2.-N.D. = Not Detected (<report limit)
3. -0.1% = 1000 mg/kg =1000 ppm
- 4.-*= An equivalent level of concern as exerted by CMR or, PBT/vPvB substances.
5. -** :All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
- 6.-^①:Concentration values of Dichromium tris(chromate), Potassium hydroxyoctaoxidizincatedichromate, Pentazinc chromate octahydroxide, Calcium arsenate, Trilead diarsenate, Arsenic acid, Lead diazide, Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate), Lead dipicrate are calculated by the conversion from the test results of certain elements.
- 7.-^②:In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.
- 8.-^③: In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.

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Appendix:

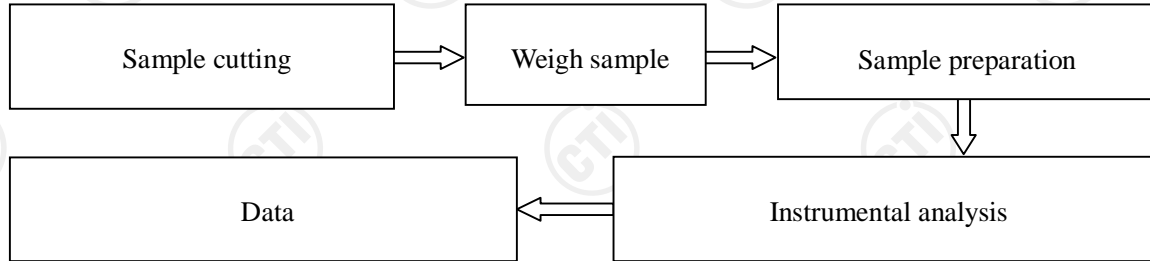
1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0,1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
 - 1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
 - 2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
 - 1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
 - 2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.

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Test Process:



Photo(s) of the sample(s)



*** End of report ***

This report is considered invalidated without the Special Seal for Inspection of the CTI, This report shall not be altered, increased or deleted. The results shown in this test report refer only to the sample(s) tested. Without written approval of CTI, this test report shall not be copied except in full and published as advertisement.

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