Regulatory and Product Certifications

May 24th, 2018

Heritage Plastics Concentrates: **Minaflex®E1, Minaflex®F1**

1. Food Contact Status
2. Absence/Presence of Certain Substances
3. Reach/SVHC Certification
4. Heavy Metals/CONEG/RoHS
5. Certificate of Guarantee and Origin

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Statement on Compliance Status with Food Contact Regulations

This letter will serve to certify that the polyolefin based Calcium Carbonate concentrates listed on the cover page above, at usage levels of up to 50% by weight of concentrate, and specifically the ingredients used to prepare them are approved for use in direct/indirect food contact packaging with no food type or temperature restrictions under the FDA 21CFR regulations - parts 177 - Indirect Food Additives: Polymers, 178 – Indirect Food Additives: Adjuvants, Production Aids, and Sanitizers, 184 Direct and Indirect Food Substances

Affirmed as Generally Recognized as Safe, and more specifically, as listed below.

Chemical Name	Applicable Regulation
Polyethylene Copolymer	21CFR 177.1520
Calcium Carbonate (Carbonic Acid, Salts)	21 CFR 184.1409
Calcium Oxide	21CFR 184.1210
Antioxidants and Stabilizers	21 CFR 178.2010

The Calcium Carbonate polyolefin concentrates listed above and the cited regulations ensure that they also meet 21 CFR176.170 per paragraph (a) 1 and 4 - appropriate for use as a component of paper or paperboard in contact with aqueous and fatty foods under condition of use A through J.

The product listed above does not have a specific Health Canada LONO but similarly submitted formulations have met the suggested requirements of Canada's Chemical, Health, Food, Packaging Materials and Incidental Additives Division under KS10030509 and KS06011202.

Our products listed above meet the EU regulation on materials and articles intended to come into contact with food 1935/2004 and specific to plastics under COMMISSION REGULATION

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(EU) No 10/2011 of 14 January 2011 and subsequent amendments on plastic materials and articles intended to come into contact with food. The polymer component of our concentrate does not contain any monomers subject to a specific migration limit. The polymer component of our concentrate does contain additives subject to a specific migration limit as follows:

Additive: Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate

EC Ref. No: 68320

Max. conc.*: 400 ppm

Restriction: SML = 6 mg/kg food - Lipophilic substance

Additive: Zinc Stearate

EC Ref. No: Salt of 89040

Max. conc.*: 700 ppm

Restriction: SML = 25 mg/kg - Expressed as Zinc

In terms of dual use additives, none of the additives present in this polymer is subject to a restriction in food as referred to in Article 1 point 7 (a) .(b) of EC Directive 2004/19/EC.

The Heritage Plastics Concentrates listed above may not be suitable for use in plastic materials and articles used for direct food contact subject to European Union Commission Regulation No

10/2011 that require testing with Food Simulant B (3% w/v aqueous acetic acid) as described in the annex of EC Directive 85/572/EEC/ (C.5).

The materials used to manufacture the products listed above are approved for inclusion in food contact applications per the China Ministry of Health food contact standard GB 9685-2008 and subsequent revisions.

We base the above food contact claims on statements provided by our suppliers and believe it to be accurate and correct based on sources available to us at the time of writing.

We also state that our Calcium Carbonate Concentrates are intended for use as an additive, going into an olefin polymer. Therefore the manufacturer of any food contact article has the responsibility to ensure that the finished article complies with the food packaging regulations applicable to the intended end use for that article.

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Heritage Plastics products as listed above will not compromise the Design Control Guidance for Medical Devices and Good Manufacturing Practice as described in 21 CFR 808, 812, 820. Heritage Plastics is a certified ISO 9001:2000 company.

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Statement on Absence or Presence of Certain Defined Substances

Heritage Plastics certifies that the products listed on the cover page above do not contain any of the substances listed below and are not intentionally added or used. We base these claims on testing completed variously at Heritage Plastics and independent laboratories as well as statements provided by our raw materials suppliers and believe the information to be accurate at the time of writing.

1. Alkylphenol Ethoxylate, Nonylphenol Ethoxylate, Octylphenol Ethoxylate
2. Asbestos
3. Bisphenol A and Bisphenol S
4. Organic Tins (Mono-, Di-, Tri- or Tetra- Butyl Tins)
5. Tris-Nonylphenol Phosphite (TNPP)
6. N-Ethyl-o-Toluenesulfonamide (CAS# 1077-56-1) and N-Ethyl-p Toluenesulfonamide (CAS# 80-39-7).
7. Substances that present any of the risks as outlined in the Federal Hazardous Substances Act, FHSA.
8. Chlorine
9. Bovine Spongiform Encephalopathy (BSE)
10. Ortho-phthalate compounds: di (2-ethylhexyl) phthalate (DEHP), di butyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DNOP), Vinyl Chloride, or any PVC or PVDC
11. Following Various Substances: Dioxin, Furans, Butylated hyroxytoluene (BHT), Butylated hydroxyanisole (BHA), Tert-butylhydroquinone (TBHQ), Toluene, Benzene, Furans, Azodicarbonamide, 4-methylbenzophenone, benzophenone, ITX, Azo Colorants, Halogenated Compounds, Ethylene Glycol, Formaldehyde, Acrylic Acid, 2-ethylhexyl acrylate, Acrylonitirile, Styrene, Polystyrene, Zinc @ levels above 300 ppm, any perchlorinated compounds, Xylene, Ethyl Benzene,

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Pyridine, Trans,trans-2,4-hexadienal, Glycerol Monostearate (GMS), and Formamide, methyl-n-butyl ketone.

12. Acrylamide in any form.

13. Chemicals on the lists published in the Environment Canada December 11th, 2011 Section 71 Notice or any of the polymer or priority petroleum substances on the Domestic Substances List of the Canadian Environmental Protection Act, 1999.

14. Halogenated Flame Retardants

15. PFOA and PFOS

16. Any substances relevant to the City of Toronto Environmental Reporting and Disclosure Bylaw

17. Any substance listed in Table A-Proposed Air Toxics List of the Rhode Island Air Toxics Guideline Revised September 2008

18. Any Cobalt substance as outlined in the June 2, 2012 Section 71 Notice published by Environment Canada.

19. Any substituted diphenylamine substance listed in the Section 71 Notice: Canada Gazette, Part I: Vol.146, No.26 - June 30, 2012

20. Oils, glycerin, or proteins derived from the Jatropha plant

21. Ozone depleting chemicals within the meaning of Title VI of the U.S. Clean Air Act, and U.S. EPA regulation 40 CFR Part 82: "Protection of Stratospheric Ozone," including "ozone-depleting chemicals" restricted under terms of the international Montreal Protocol.

22. Formulary biocides, fungicides, or insecticides.

23. Any Food Allergens as referenced by the US FDA Food Allergen Labeling and Consumer Protection Act and EU Directive 2203/89/EC.

24. Any form of natural rubber or Latex.

25. Any of the chemicals on the list published in the regulation known as California Proposition 65 including the latest revision effective April 12, 2015.

26. Any animal derived products.

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27. Any of the substances as described in the Conflict Minerals Provision of the Dodd Frank Act HR 4173 Wall Street Reform and Consumer Protection Act, Section 1502.

28. Triclosan.

29. Substances restricted by EU Directive 2003/11/EC.

30. Substances listed on the Washington State or Maine State List of Chemicals of High Concern.

31. Nanomaterials per the definition described in the EU Commission Recommendation of 18 October 2011, (2011/696/EU).

32. Any of the materials listed in the OSHA 313 Toxic Release Inventory limitation of 0.1%

33. Substances listed under the EPA Endocrine Disruptor Screening Program.

34. 2-Pyridiol 1-oxide, CAS #13161-30-3.

35. Melamine, CAS #108-78-1.

36. Any of the substances in Environment Canada List of Substances in Phase I or II of the DSL IU.

37. Tartrazine (Yellow 5) or Monosodium Glutamate.

38. Epoxy derivatives referred to in European Regulation (EC) No. 1895/2005.

39. Substances that would compromise toy safety per ASTM F-963 (see item #7 as well).

40. Canadian CEPA Priority Substances contained in List 1 & 2.

41. Substances that compromise German BfR recommendations.

42. Declarable or Prohibited Substances on the GADSL Reference List.

43. Perchlorate or soluble perchlorate salts.

44. 2, 4, 6 Tribromophenol or any halogenated phenolic preservatives.

45. Styrene (vinyl benzene) - CAS 100-42-5.

46. Titanium Acetyl Acetonate -17501-79-0

47. Paraben or Paraben Analogs, Pugelone, or any fluorochemicals.

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48. 3, 5-di-tert-butylbenzoic acid (CAS 16225-26-6), Methylchloroisothiazolinone /MCI (CAS 26172-55-4), Methylisothiazolinone /MIT (CAS 2682-20-4)

49. Polythylene Microbeads or Microplastics

50. Any Polycyclic Aromatic Hydrocarbon on the US Environmental Protection Agency designated list or those individually listed on the US Environmental Protection Agency's Priority Chemical List.

51. Any components derived from genetically modified organisms.

52. Any preservatives.

53. Any substance in Annex II or Annex III EC Regulation 1223/2009. Substances classified as carcinogenic, mutagenic, or toxic for reproduction as referenced in Annex VI of EC regulation 1272/2008.

54. Partially Hydrogenated Vegetable Oil

55. FDA banned perfluroalkyl ethyls referenced in the announcement beginning January 4th 2016.

56. Any of the substances that pertain to the amendments correction regulation No 10/2011 by Commission Regulation (EU) 2015/174 of 5 February 2015 & EU 202 /2014 effective 2/26/2016.

57. Any substances on the prohibited list as described in NSF 306 -2015 Certification Guideline

58. Any substance known to have significant estrogenic activity

59. Persistent organic pollutants as identified by the Stockholm Convention.

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Statement on Product Suitability for REACH and SVHC

(Substances of Very High Concern)

Heritage Plastics is working to ensure our products that are either sold directly into the European Union, or are used as an additive into articles that are subsequently sold into the EU will comply with the REACH guidelines. All formulary ingredients have been pre-registered, registered, or are exempt. Upon review of the proposed additions and updates to the **SVHC list on 1/15/2018**, and all previous additions, we declare that the Heritage Plastics products listed on the cover letter above do not contain any of the substances listed in concentrations above 0.1% w/w. In addition, our products do not contain any of the substances that pertain to **REACH Annex XIV and Annex XVII**. We base this claim on knowledge of the materials used for preparation of our products and requested disclosure from our suppliers.

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Statement on Heavy Metals/CONEG/RoHS Compliance

This statement will serve to certify that the following Heritage Plastics product(s) are classified as "heavy metal free" under the applicable Council of Northeastern Governors (**CONEG**) guidelines:

Heavy metals, as defined by the U.S. Environmental Protection Agency, the CONEG states (Coalition of Northeastern Governors), and the States of Florida, Wisconsin, and Iowa, include compounds of lead (Pb), cadmium (Cd), mercury (Hg), hexavalent chromium (Cr+6), and water-soluble compounds of barium (Ba).

Additionally, our concentrates comply with the Restriction of Hazardous Substances Directive (RoHS) 2002/95/EC which was adopted in February 2003 by the European Union and replaced by RoHS 2 Directive 2011/65/EU of 3 January 2013.

Our concentrates also comply with China's "Administrative Measures on the Control of

Pollution by Electronic Information Products (Ministry of Information Industry Order #39)", also referred to as "China RoHS".

Our products do not contain any of the threshold limits of lead, mercury, cadmium, hexavalent chromium (chromium VI or Cr 6+), polybrominated biphenyls (PBB) or polybrominated diphenylether (PBDE).

Additionally, our products do not contain Noxious Substances (EN13428).

Our products have not been evaluated with respect to EU recovery standards EN 13430, EN 13431, and EN 13432.

This information is based on the following:

1. Certifications we have obtained from our suppliers that the raw materials we purchase are free of these "heavy metals".
2. Independent laboratory analysis of our products.
3. Regulations which stipulate the maximum allowable concentrations of these elements at which the product may be labeled "heavy metal free".

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Certificate of Guarantee and Statement on Product Origin

Heritage Plastics Inc. is a manufacturer of mineral concentrates for the plastics industry. Our concentrates variously consist primarily of polyolefin, polystyrene, calcium carbonate, and talc. Our products are suitable for almost any polyolefin or polystyrene based plastic article including those intended for food contact.

All Heritage Plastics Inc. products and their principal components originate in and are manufactured and packaged in the United States of America unless expressly stated otherwise. In addition, they are made in accordance with all applicable federal, state, and local laws.

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Dear Sir or Madam,

We base the claims and certifications made in the various statements in this letter on testing completed variously at Heritage Plastics Inc. and independent laboratories as well as statements provided by our raw materials suppliers. We believe the statements to contain an accurate representation of our products at the time of writing and we hope they provide you proper assurance that our products are appropriate for your application.

Please do not hesitate to contact us if you have any other questions regarding the composition of the products we supply to your company. Thank you for your support of Heritage Plastics Inc.

Sincerely,

Jason Riggs

Director, Technical Services

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