

Schachen, 25.09.2018

Affidavit RED List Living Future – Product declaration for SIGA Majrex

To Whom It May Concern:

As a corporate officer, I am writing this letter to confirm that SIGA Majrex that you are considering for use on LBC inspired projects at Harvard University meets the Living Building Challenge (LBC) requirement that the product does not contain any Red Listed Materials or Chemicals.

We have provided an ingredient lists for 40% of the total of the product. Further, we hereby affirm than none of the undisclosed or proprietary ingredients contain any LBC 3.1 Red List ingredients. (Please refer to the attached list of all 800+ chemicals, listed by CAS numbers.)

Specifically, SIGA Majrex does not contain any ingredients from the following chemical families:

- Alkylphenols
- Asbestos
- Bisphenol A (BPA)
- Cadmium
- Chlorinated Polyethylene and Chlorosulfonated Polyethylene
- Chlorobenzenes
- Chlorofluorocarbons (CFCs) and Hydrochlorofluorocarbons (HCFCs)
- Chloroprene (Neoprene)
- Chromium VI
- Chlorinated Polyvinyl Chloride (CPVC)
- Formaldehyde (all types - added)
- Halogenated Flame Retardants (HFRs)
- Lead (added)
- Mercury
- Perfluorinated Compounds (PFCs)
- Phthalates
- Polychlorinated Biphenyls (PCBs)
- Polytetrafluoroethylene (PTFE)
- Polyvinyl Chloride (PVC)
- Polyvinylidene Chloride (PVDC)
- Short Chain Chlorinated Paraffins
- Wood treatments containing Creosote, Arsenic or Pentachlorophenol
and
- Volatile Organic Compounds (VOCs) in wet applied products:

I confirm that SIGA Majrex: (chose A or B or C and initial)

A. **is not wet-applied product.**

A (initials)

B. is a wet-applied product but would not be applied on the LBC project site.

_____ (initials)

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C. is a wet-applied product that would likely be used on the on the LBC site.
 _____ (initials) As such I confirm that the following banned solvents are not intentionally added to the product:

- Methylene chloride (dichloromethane)
- 1,1,1-trichloroethane (methyl chloroform)
- Trichlorofluoromethane (CFC-11)
- Dichlorodifluoromethane (CFC-12)
- 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113)
- 1,2-dichloro-1,1,2,2-tetrafluoroethane (CFC-114)
- Chloropentafluoroethane (CFC-115)
- Cyclic, branched, or linear, completely methylated siloxanes (VMS)
- Tetrachloroethylene (perchloroethylene)
- Ethylfluoride (HFC-161)
- 1,1,1,3,3,3-hexafluoropropane (HFC-236fa)
- 1,1,2,2,3-pentafluoropropane (HFC-245ca)
- 1,1,2,3,3-pentafluoropropane (HFC-245ea)
- 1,1,1,2,3-pentafluoropropane (HFC-245eb)
- 1,1,1,3,3-pentafluoropropane (HFC-245fa)
- 1,1,1,2,3,3-hexafluoropropane (HFC-236ea)
- 1,1,1,3,3-pentafluorobutane (HFC-365mfc)
- Chlorofluoromethane (HCFC-31)
- 1,2-dichloro-1,1,2-trifluoroethane (HCFC-123a)
- 1 chloro-1-fluoroethane (HCFC-151a)
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Ingredients list for approximately 40% of the total product

- 40% PET / PA fleece

Yours sincerely,



Larissa Geiger

Quality Management

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