

## Certification Datasheet

**ZEOflair® 100**  
**ZEOflair® 110**  
**ZEOflair® 200**  
**ZEOflair® 300**  
**ZEOflair® 800**  
**ZEOflair® 810**  
**ZEOflair® 1000**

The abovementioned ZEOflair® products are highly active zeolite adsorbent powders for the removal of undesirable odors, flavors and volatile organic compounds (VOC).

CAS Number: 1318-02-01  
 EINECS Number: 215-283-8 (930-985-0: REACH associated) (930-915-9: REACH associated for ZEOflair® 1000)  
 REACH Number: 01-2119455853-31-0003 (01-2119429034-49-0012 for ZEOflair® 1000)  
 Customs tariff: 2842.10

### Manufacturer

The above mentioned ZEOflair® products are manufactured by Zeochem d.o.o., Karakaj 229a, 75400 Zvornik, Bosnia and Herzegovina. Zeochem d.o.o. is ISO 9001:2015 certified.

### Chemical Inventories

The abovementioned ZEOflair® products are in compliance with the following chemical inventories:

- United States: Toxic Substances Control Act Inventory (TSCA)  
 Zeolites are considered for TSCA purposes to be mixtures of the substances used to manufacture them. The individual reactant materials used to produce zeolites are required to be listed separately on the inventory.  
 Please note that Silica (CAS 7631-86-9), Alumina (CAS 1344-28-1), Metallic oxides (Na<sub>2</sub>O CAS 1313-59-3, ZnO CAS 1314-13-2, K<sub>2</sub>O CAS 1309-48-4, MgO CAS 1309-48-4, CaO CAS 1305-78-8) are all listed as ACTIVE in TSCA list.
- Canada: Domestic Substances List (DSL)
- Europe: European Inventory of Existing Chemical Substances (EINECS)
- Australia: Australian Inventory of Chemical Substances (AICS)
- Korea: Korean Existing Chemicals Inventory (KECI)
- Japan: Japanese Inventory (ENCS)
- China: Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)

### Food Contact

- The abovementioned ZEOflair® products are in line with Regulation (EU) No. 10/2011 and its amendments up to the publication date indicated on the last page.  
 The products are of a suitable purity for food contact applications. There are no specific migration limits specified by the regulation for these products. The directive specifies 10 mg/dm<sup>2</sup> as the maximum overall migration from the finished plastic food contact articles. It is the responsibility of the converter to assure compliance to this limit.
- The abovementioned ZEOflair® products correspond to the purity requirement of the German Bundesinstitut für Risikobewertung (BfR) LII "Füllstoffe für Bedarfsgegenstände aus Kunststoffen".
- The abovementioned ZEOflair® products meet the US Food and Drug Administration (FDA) requirements contained in the Code of Federal Regulations in 21 CFR 176.170, 177.1200, 177.1520, 177.1680, 177.2260, 177.2600 and 182.2727, respectively.
- The abovementioned ZEOflair® products meet the requirements of the Swiss FDHA ordinance on consumer goods (SR 817.023.21), which specifies the requirements to plastics that get into contact with food.

### **Food safety**

Food application of above mentioned ZEOflair® products are restricted according to Commission Regulation (EU) No. 380/2012 and Regulation (EC) No. 1333/2008.

### **Carcinogenic, mutagenic and toxic for reproduction (CMR)**

The above mentioned ZEOflair® products are neither carcinogenic, nor mutagenic nor toxic for reproduction. ZEOflair® products are not listed in the EU Directive 67/548/EEC.

### **Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE)**

The above mentioned ZEOflair® products do neither contain, nor are derived from "Specific Risk Materials" as defined in Annex XI, Section A, to EC Regulation 999/2001/EC. No components in the manufacture of ZEOflair® products are derived from animal sources. Further, ZEOflair® products are heated to a temperature of at least 500°C.

### **Genetically Modified Organisms (GMO)**

The above mentioned ZEOflair® products are fully synthesized from chemicals. ZEOflair® products are neither genetically modified, nor do they contain genetically modified materials, nor are they produced out of genetically modified materials as specified by EC Regulation 50/2001/EC and 1829/2003/EC, respectively. ZEOflair® products comply with traceability requirements of EC Regulations 1830/2003/EC.

### **Organic Compounds**

The above mentioned ZEOflair® products are produced out of inorganic and organic chemicals and are heated to at least 500°C. They do not contain organic compounds or volatile organic compounds (VOC). They also do not contain dimethylfumarate (Commission decision 2009/251/EC).

### **European Union Directive on Restriction of Use of Certain Hazardous Substances (RoHS)**

The above mentioned ZEOflair® products are in agreement with the European Union Directive 2011/65/EC. ZEOflair® products do neither contain any heavy metals (lead, mercury, cadmium, chromium), nor polybrominated aromatic compounds.

### **Ozone Depleting Chemicals**

The materials listed in the Regulation (EC) 1005/2009 are not used in the manufacture of ZEOflair® products.

### **Asbestos**

Asbestos are not used in the manufacture of ZEOflair® products. However, ZEOflair® products have not been tested for this chemical substance.

### **Nanomaterials**

Zeochem AG is member of the EUZEPA (European Zeolites Producers Association). EUZEPA members analysed whether zeolites are nanomaterials or not and have published an excerpt of the analysis on the EUZEPA homepage (<http://www.zeolites.eu/index.php/compliance/nano>).

Our zeolites and consequently all ZEOflair® products are not nanomaterials.

### **Disclaimer**

Ultimately, our customers are advised to make their own determination that the use of our products is safe, lawful (except as provided in this certification) and technically suitable for their applications.