

ZEOflair[®]

HIGHLY ACTIVE ZEOLITE ADSORBENT FOR THE REMOVAL OF

Undesirable Odors & VOC statically and actively in

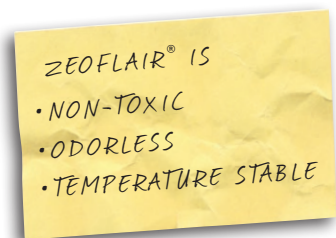
- Adhesives / Coatings
- Bio-Plastic / Bio-Composite
- Fibers / Textiles
- Films
- Lacquers / Paints
- Personal Care Products
- Thermoplastics / Thermoplastic Elastomers
- Recycling

Remove undesirable odor from plastics

Description

ZEOflair® is a highly active zeolite adsorbent for the removal of undesirable odors and volatile organic compounds (VOC) in adhesives, coatings, bio-products, films, fibers, thermoplastics / thermoplastic elastomers and recycling plastics.

ZEOflair® is an easy to handle, free flowing powder.



Application

ZEOflair® can easily be incorporated as an additive. The typical amount of ZEOflair® in the final product is between 0.3% and 0.8% and does not alter any physical, chemical and mechanical properties.

ZEOflair® can effectively and permanently adsorb a wide range of hydrocarbons, solvents and other toxic and non-toxic substances down to ppm levels. This effect is even shown in the presence of water.

The wide range of ZEOflair® products offers different adsorption characteristics to hydrophobic respectively hydrophilic odors, flavors or volatile organic compounds.

	Type		Selectivity to	
			← Hydrophilic VOC	Hydrophobic VOC →
ZEOflair®	110	Powder		++++
	100	Powder		+++
	350	Powder		++
	800	Powder		+
	810	Powder		↔
	310	Powder	+	
	381	Powder	++	
	1000	Powder	+++	

Additional Information

Typical Properties

	Unit	Value
Average particle size	µm	< 7
Appearance, form		white powder
LOI (loss on ignition)	wt%	< 8
Thermal stability	°C	> 800

ZEOflair® is a highly active zeolite adsorbent in powder form 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

Chemical Inventories

ZEOflair® is in compliance with the following chemical inventories:

- United States: Toxic Substances Control Act Inventory (TSCA)
- Canada: Domestic Substances List (DSL)
- Europe: European Inventory of Existing Chemical Substances (EINECS)
- Australia: Australian Inventory of Chemical Substances (AICS)
- Korea: Korean Existing Chemicals List (KECL)
- Japan: Japanese Inventory (ENCS)
- China: Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)

Food Contact

- ZEOflair® is in line with Regulation (EU) No. 10/2011 and its amendments. There are no specific migration limits specified by the regulation for ZEOflair®. The directive specifies 10 mg/dm² as the maximum overall migration from the finished plastic food contact articles. This is the responsibility of the converter.
- ZEOflair® corresponds to the purity requirement of the German Bundesinstitut für Risikobewertung (BfR) «Füllstoffe für Bedarfsgegenstände aus Kunststoffen».
- ZEOflair® meets 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.
- ZEOflair® meets the Swiss plastic regulation 817.041.1, which specifies the requirements to plastics that come into contact with food.
- ZEOflair® meets the requirements of the Chinese National Food Safety Standards «Standard for Uses of Additives in Food Contact Materials and Products GB9685-2016» and «Rubber Food Contact Materials and Articles GB 4806.11-2016» and can thus be used as additives to food-contact plastics and rubbers in China.

About us

Mission

Zeochem AG, a manufacturer of molecular sieves, high quality irregular and spherical silica gels and deuterated compounds, was founded more than 200 years ago. Its headquarters is based in Switzerland. Zeochem is a subsidiary of the Swiss CPH Chemie + Papier Holding AG.

Quality

Our products are analyzed and certified by our state-of-the-art quality control lab. Zeochem AG uses its own test methods and applies proprietary test procedures specific to customer applications to ensure that our products enable the expected performance.

Zeochem AG is ISO 9001:2015 certified.

Environment

Zeochem AG regards the careful use of natural resources and safe production processes, as well as ensuring minimal pollution among its critical goals.

The company is a member of the Swiss Private Sector Energy Agency and is committed to the principles of «Responsible Care».

**We are happy to meet your project requirements.
Please contact Zeochem to outline your needs.**

All information contained in this brochure is given in good faith but without warranty or guarantee of any kind whatever, whether implied or expressed.

ZEOCHEM[®]



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