

Certification Data Sheet

Molecular Sieve

Customs tariff

Customs tariff number for the product line **Molecular Sieve** is 3824.90.98

Registry number

All zeolites of the product line **Molecular Sieve** are registered under CAS number 1318-02-1 and EINECS 215-283-8.

REACH number

Molecular Sieve provided from Tropack Packmittel GmbH is REACH-registered.

Chemical Inventories

The products are 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)

Food Contact

- For the application in the plastic production, the materials and articles intended to come into contact with foods are listed in Regulation (EU) No. 10/2011 and its amendments. There are no specific migration limits specified by the regulation for the zeolites. However, the directive specifies 10 mg/dm² as the maximum overall migration from the finished plastic food contact articles or less than 60 mg of total of constituents released per kg food simulants. It is the responsibility of the converter to apply the zeolites for its intended use.
- The products correspond to the purity requirement of the German Bundesinstitut für Risikobewertung (BfR) «Füllstoffe für Bedarfsgegenstände aus Kunststoffen».
- The products meet the US Food and Drug Administration (FDA) requirements contained in the Code of Federal Regulations in 21 CFR 176.170 and 177.1200.
- Swiss plastic regulation 817.041.1, which specifies the requirements to plastics that get into contact with food, is in line with the EU Regulation.

Halal, Kosher

The products are made out of purely inorganic chemicals, and therefore fulfil the Halal and Kosher requirements.

Carcinogenic, mutagenic and toxic for reproduction (CMR)

All zeolites of the product line **Molecular Sieve** are neither carcinogenic, nor mutagenic nor toxic for reproduction. The zeolites are not listed in the EU Directive 67/548/EEC.

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

The products do not 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 these products are derived from animal sources. Further, the materials are heated to a temperature of at least 500°C.

Genetically Modified Organisms (GMO)

The products are fully synthesized from inorganic chemicals. The products are not 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.

The products comply with traceability requirements of EC Regulations 1830/2003/EC and 65/2004/EC.

Organic Compounds

The products are produced out of inorganic materials and do not contain organic compounds, nor volatile organic compounds (VOC).

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

The above-mentioned products are in agreement with the European Union Directives 2000/53/EC, 2003/11/EC, and 2011/65/EC, respectively. The products namely do not contain any heavy metals (lead, mercury, cadmium, chromium), nor poly-brominated aromatic compounds.

European Union Regulation restricting Substances of very high Concern (SVHC)

The above-mentioned products are not listed in the EU Regulation EC/1907/2006 Annex XIV and are not restricted as Substances of very high Concern (SVHC).

Ozone Depleting Chemicals

The materials listed in the European Union Directive 2037/2000/EC are not used in the manufacture of these products.

Asbestos

Asbestos is not used in the manufacture of these products. However, the products have not been tested for this chemical substance.

It is the responsibility of the end-user to apply the zeolites for its intended use.

Lahnau, 09.01.2024
i.A. Janina David / QM

J. David