

## Product Safety Information

Evonik Resource Efficiency GmbH

Product Name: SIPERNAT® 622 LS  
 Chemical Name: Silicon dioxide, chemically prepared  
 CAS-No.: 112926-00-8, 7631-86-9  
 Customs Tariff Number: 281122

How to find specific information in this document

This document is an Adobe standard document. Please press the buttons "Strg / Ctrl" and "F" on your keyboard to open the search function, type the search item in the box and press Enter.

## Regulations China

Domain	Legal Record	Registration	Remarks
Food contact additive	GB 9685-2016	FCA0782	Application in plastics, coatings, rubber, ink and paper

## Application in cosmetics, pharmacy or medical devices

This product was developed for technical applications. Evonik Resource Efficiency GmbH does not support any use of this product in the applications mentioned above.

## Amorphous structure

Synthetic amorphous silica manufactured by flame hydrolysis or by precipitation in an aqueous solution is characterized by its amorphous structure. The determination method used on typical samples is enrichment of the crystalline fraction followed by X-ray Diffraction. The detection limit of this method is less than 0.1% by weight. The determination of arbitrarily selected samples shows no crystalline fraction above the detection limit. Under consideration of this result above mentioned silica is considered to be amorphous.

## Food Contact applications outside of China

This product is not in line with food contact legislations of Brazil, Canada, Europe, Switzerland and the United States of America.

## Information on REACH / Substances of Very High Concern (SVHC)

According to Regulation (EU) 1907/2006 (REACH) substances of very high concern (SVHC) must be mentioned in the safety data sheet (SDS) when the content is above the threshold limit of 0.1% w/w. Please visit the current safety data sheet for more information regarding this issue.

Please use the following e-mail address to order the current SDS: [sds-hu@evonik.com](mailto:sds-hu@evonik.com)

## Information on REACH / PBT- and vPvB - substances

This product is not a PBT, vPvB substance as per the criteria of the REACH Regulation.

### Information on REACH / Annex XIV or Annex XVII

This product is not a substance and does not contain any substances subject to authorization and/or restriction according to Annex XIV or Annex XVII of the REACH Regulation (EC) No. 1907/2006, respectively. However, testing of these substances is not part of our standard routine quality control and production testing procedures.

### Registration Status

The above mentioned product is registered in the following inventories:

Australia	AICS (Australian Inventory of Chemical Substances)	registered
Canada	DSL (Domestic Substance List)	registered
China	IECSC (Inventory of Existing Chemical Substances)	registered
Europe	EC (European Community)	registered (231-545-4)
Europe	REACH (Registration, Evaluation, Authorisation and Restrictions of Chemicals)	registered (01-2119379499-16-0000)
Japan	ENCS (Existing and New Chemical Substances)	registered
Korea	KECI (Korea Existing Chemicals Inventory)	registered
New Zealand	NZIoC (New Zealand Inventory of Chemicals)	registered
Philippines	PICCS (Philippine Inventory of Chemicals and Chemical Substances)	registered
Taiwan	TCSI (Chemical Substances Nomination and Notification)	registered
USA	TSCA (Toxic Substances Control Act)	registered

### The following information is available in our Safety Data Sheet (SDS):

Hazard Identification, Composition/Information on Ingredients, REACH-Registration number (if available), (SVHC) Substances of high concern (if applicable), First Aid, Fire Fighting Measures, Accidental Release Measures, Handling and Storage, Exposure Control/Personal Protection, Physical and Chemical Properties, Stability and Reactivity, Toxicological and Ecological Information, Disposal Considerations, Risk Information (e.g. Transportation, Labeling, Risk Phrases). The Water Hazard Class (WGK) is only in the German version of the safety data sheet available. Please, pay attention to the national edition of the SDS!

The following e-mail address should be used in order to request the SDS: [sds-hu@evonik.com](mailto:sds-hu@evonik.com)

### Heavy metals and other metal traces

In the production process of this product we do not intentionally use or add any heavy metal constituents. The overall content of these elements, in their entirety, lies below 100 ppm and is therefore in line with the limits set by the EU Packaging Directive 94/62/EU.

It is also compliant with the requirements of the Coalition of Northeastern Governors (CONEG) model legislation limiting heavy metals (January 1994).

### Heavy metals

Substance	Concentration
Cadmium (Cd)	≤ 1 ppm
Chromium, total (Cr)	≤ 10 ppm
Mercury (Hg)	≤ 1 ppm
Lead (Pb)	≤ 5 ppm

### Other metal-traces

Substance	Concentration
Antimony (Sb)	≤ 5 ppm
Arsenic (As)	≤ 3 ppm
Selenium (Se)	≤ 1 ppm
Barium (Ba)	≤ 50 ppm
Zinc (Zn)	≤ 10 ppm
Iron (Fe)	≤ 600 ppm
Copper (Cu)	≤ 6 ppm
Nickel (Ni)	≤ 3 ppm

(The analysis for above mentioned metals is not part of our standard quality and production analyses. The limits given represent mean values from arbitrarily selected samples, but do not represent any specifications.)

#### Disclaimer

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Evonik Resource Efficiency GmbH | Environment, Safety, Health & Quality | Product Safety | Special Regulations and Applications | RE-ES-PS-SRA/713-303 | Rodenbacher Chaussee 4 | 63457 Hanau-Wolfgang | Germany

Contact [silica-regulations@evonik.com](mailto:silica-regulations@evonik.com)

Evonik Resource Efficiency GmbH | Rellinghauser Straße 1-11 | 45128 Essen | Germany | [www.evonik.com](http://www.evonik.com)

Supervisory Board: Dr. Harald Schwager, Chairman | Managing Directors: Dr. Claus Rettig, Chairman; Andreas Fischer, Simone Hildmann, Alexandra Schwarz | Registered Office Essen, Register Court, City Local Court Essen, Commercial Registry B 25783

#### Legend

BfR:	Bundesinstitut für Risikobewertung
CAS:	Chemical Abstract Services Register Number
CoE:	Council of Europe
CONEG:	Coalition of Northeastern Governors
CosIng	European Commission database for information on cosmetic substances and ingredients
FDA:	Food and Drug Administration
INCI:	International Nomenclature Cosmetic Ingredients
JHOSPA:	Japan Hygienic Olefin and Styrene Plastics Association
PBT:	Persistent, Bioaccumulative, Toxic
PCPC	Personal Care Products Council
SAS:	Synthetic Amorphous Silicon dioxide, Synthetic Amorphous Silica
vPvB:	very Persistent, very Bioaccumulative