Product Safety Information

**Product Name:** SIPERNAT® 820 A  
**Chemical Name:** Silicic Acid, Aluminum Sodium Salt  
**CAS-No.:** 1344-00-9, 284210

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.

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.

Safety of toys – directive 2009/48/EG, EN 71-3
Concerning the qualification for above mentioned application please visit the chapters 'Heavy metals' and 'Substance declaration'.

Community eco-label to outdoor and indoor paints according to Commission Decision 2014/312/EU

Criterion 4 - Content of Volatile and Semi-volatile Organic Compounds (VOCs, SVOCs)
During the production process of this product we do not intentionally use or add any volatile organic compounds (VOC’s) and/or semi-volatile organic compounds. According to the production process and to the best of our knowledge we do not expect any VOC’s/SVOC’s in this product.

The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.

Criterion 5 - Restriction of hazardous substances and mixtures
This product is not a hazardous substance and not listed as SVHC - Substance. Please visit the product safety information and safety data sheet for detailed information.

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

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.

RoHS and WEEE Directives
This product fulfils the limitations and requirements of the EU-Directives 2011/ 65/ EU (RoHS), 2012/ 19/ EU (WEEE) and amendments. It is chemically produced. In the production process we do not use or intentionally add the following substances:
- pentabromodiphenylether,
- octabromodiphenylether,
- lead,
- cadmium,
- chromium (total),
- mercury,
- polybrominated biphenyls (PBBs),
- polybrominated diphenylethers (PBDE),
- Di(2-ethylhexyl)phthalate (DEHP),
- Butylbenzylphthalate (BBP),
- Dibutylphthalate (DBP),
- Diisobutylphthalate (DIBP),
- chlorinated organic compounds, such as PCB, PCN, CP, mirex,
- organic tin compounds,
- asbestos,
- azo compounds,
- polyvinyl chloride (PVC) and PVC-blends.

The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.

EuPIA exclusion policy for printing inks
During the production process of this product we do not intentionally use or add any substance from the EuPIA exclusion policy for printing inks. Since testing of these substances is not part of our standard routine quality control and production testing procedures, we therefore cannot warrant or guarantee the absence of these substances in this product.

California List of Chemicals, Proposition 65 (USA)
In the production process of this product we do not intentionally use or add any of the substances on the California list of chemicals (USA), Proposition 65, in the current published version. The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.

Oeko-Tex Standard 100
For limit values please visit the chapters “Heavy metals” and “Substance declaration”.

End-of life vehicles
This product fulfils the limitations and requirements of the EU Directive 2000/ 53/ EC. For limit values, please visit the chapters Heavy metals and Substance declaration.

Volatile Organic Compounds (VOC´s)
Volatile Organic Compounds are not used or intentionally added during production process of this product. To the best of our knowledge this product does not contain any Volatile Organic Compounds. The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.
“Substance declaration”

During the production process of this product we do not intentionally use or add any of the following substances:

Aromatic amines according to EU Directive 2002/ 61/ EC.

Volatile aromatic hydrocarbons, alkylphenol-ethoxylates, glycol ethers, isothiazolinone compounds, formaldehyde or formaldehyde donators as mentioned in Commission Directive 2002/ 739/ EC.

2,2-bis(4-hydroxyphenyl)propane, bis(2,3-epoxypropyl) ether (BADGE), bis(hydroxyphenyl)methane, bis(2,3-epoxypropyl)ethers (BFDGE) and novolac glycidyl ethers (NOGE) as mentioned in Regulation (EC) No 1895/ 2005.

Substances mentioned in the “VDA-List of Substances to be Declared” version 2005, in the IMDS International list of reportable substances (ILRS-list), in 2005 replaced by GADSL, version 2019 or its subsequent revision, respectively.

Polychlorinated biphenyls (PCB), polychlorinated naphthalenes (PCN), polychlorinated terphenyls (PCT), pentachlorophenol (PCP) and PCP-salts, chlorinated paraffins (CP), M irex (perchlorodecone), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PBB), polychlorinated terphenyls (PBT), polychlorinated diphenylethers (PBDE), tetrabromobisphenol-A-bis-(2,3-dibromopropylether) (TBBP-A-bis), halogenated solvents, other halogens, organic tin compounds, asbestos, azo dye, polyvinyl chloride (PVC) and PVC-blends, latex, ozone depleting substances, phthalates, cyanides, radioactive materials, pesticides, biocides.

1,4-Dioxan


Perfluorooctane sulfonates (PFOS) and Perfluorooctanoic acid (PFOA) as described in EC-directive 2006/ 122/ EC.

Antibiotics

Any kind of Bisphenol

Asbestos

Boron

Cobalt

DEHP (diethylhexyl phthalate) and DINP (diisononyl phthalate) or any other phthalates

Dimethylfumarat (DM F)

Ethanol (alcohol)

Ethylene oxide

Gold, Tantalum, Tin, Tungsten

Iodine

Isocyanate

Melamine

Mineral oil aromatic hydrocarbons (MOAH)

Mineral oil saturated hydrocarbons (MOSH)

Narcotic products

Nitrite, Nitrate

Quaternary ammonium compounds

Sodium, Sodium chloride

Steroidal anabolic

Sweeteners (e.g. Aspartame, Saccharin, Steviosid)

Uranium

Zinc oxide

The analysis on above mentioned substances is not part of our standard quality and production analyses. Therefore, we cannot warrant or guarantee the absence or level of these substances to any specific limit or threshold value.
Registration Status

The above mentioned product is registered in the following inventories:

<table>
<thead>
<tr>
<th>Country</th>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>AICS (Australian Inventory of Chemical Substances)</td>
<td>registered</td>
</tr>
<tr>
<td>Canada</td>
<td>DSL (Domestic Substance List)</td>
<td>registered</td>
</tr>
<tr>
<td>China</td>
<td>IECSC (Inventory of Existing Chemical Substances)</td>
<td>registered</td>
</tr>
<tr>
<td>Europe</td>
<td>EC (European Community)</td>
<td>registered (215-684-8)</td>
</tr>
<tr>
<td>Europe</td>
<td>REACH (Registration, Evaluation, Authorisation and Restrictions of Chemicals)</td>
<td>registered (01-2119429887-22-0000)</td>
</tr>
<tr>
<td>Japan</td>
<td>ENCS (Existing and New Chemical Substances)</td>
<td>registered</td>
</tr>
<tr>
<td>Korea</td>
<td>KECI (Korea Existing Chemicals Inventory)</td>
<td>registered</td>
</tr>
<tr>
<td>New Zealand</td>
<td>NZIoC (New Zealand Inventory of Chemicals)</td>
<td>registered</td>
</tr>
<tr>
<td>Philippines</td>
<td>PICCS (Philippine Inventory of Chemicals and Chemical Substances)</td>
<td>registered</td>
</tr>
<tr>
<td>Taiwan</td>
<td>TCSI (Chemical Substances Nomination and Notification)</td>
<td>registered</td>
</tr>
<tr>
<td>USA</td>
<td>TSCA (Toxic Substances Control Act)</td>
<td>registered</td>
</tr>
</tbody>
</table>

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

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).

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium (Cd)</td>
<td>≤ 1 ppm</td>
</tr>
<tr>
<td>Chromium, total (Cr)</td>
<td>≤ 10 ppm</td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>≤ 1 ppm</td>
</tr>
<tr>
<td>Lead (Pb)</td>
<td>≤ 5 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony (Sb)</td>
<td>≤ 5 ppm</td>
</tr>
<tr>
<td>Arsenic (As)</td>
<td>≤ 3 ppm</td>
</tr>
<tr>
<td>Selenium (Se)</td>
<td>≤ 1 ppm</td>
</tr>
<tr>
<td>Barium (Ba)</td>
<td>≤ 50 ppm</td>
</tr>
<tr>
<td>Zinc (Zn)</td>
<td>≤ 10 ppm</td>
</tr>
<tr>
<td>Iron (Fe)</td>
<td>≤ 400 ppm</td>
</tr>
</tbody>
</table>
(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.)
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Contact **silica-regulations@evonik.com**

**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