

# Safe Use Instruction Sheet

according to 1907/2006/EC, Article 31

Printing date: 23.02.2016

Version number 4

Revision: 23.02.2016

For this product, no Safety Data Sheet is legally required under European Regulation 1907/2006 (REACH). Saint-Gobain Advanced Ceramics Corporation made a decision to deliver appropriate information to their customers in the safe handling and use of this product through this Safe Use Instruction Sheet.

\* **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1. Product identifier

Trade name: **TRÈS BN® Cosmetic Powders**

Article codes: PUHP1106, PUHP1106SH, PUHP1107, PUHP1107J

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture: Personal care products

Uses advised against: Not intended for food and drug use.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Advanced Ceramics LLC Boron Nitride

168 Creekside Drive

USA - Amherst, NY 14228-2027

Tel.: +1-716-691-2000

Fax: +1-716-691-2090

E-mail: [BNsales@saint-gobain.com](mailto:BNsales@saint-gobain.com)

Only Representative:

Saint-Gobain Coating Solutions

50 Rue du Mourelet, BP 90966

FR - Avignon 84093

Tel.: +33 670765010

Fax: +33 490867370

Further information obtainable from: [qualité-ehs.coating-solutions@saint-gobain.com](mailto:qualité-ehs.coating-solutions@saint-gobain.com)

1.4. Emergency telephone number      CHEMTREC, Tel.: +1-800-424-9300

\* **SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

The product is not classified according to the CLP regulation.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008: void

Hazard pictograms: void

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Signal word: void

Hazard statements: void

2.3. Other hazards     Dust may form flammable/explosive mixtures with air.

Results of PBT and vPvB assessment:

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

\* **SECTION 3: Composition/information on ingredients**

3.2. Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components: void

Nonhazardous components:		
CAS: 10043-11-5 EINECS: 233-136-6 Reg.no.:01-2119947399-20-0003	boron nitride	95-97%
CAS: 63148-62-9	poly(dimethyl-siloxane)	0-5%
CAS: 63148-57-2	poly(methyl-hydrosiloxane)	0-5%

\* **SECTION 4: First aid measures**

4.1. Description of first aid measures

General information: In all cases of doubt, or when symptoms persist, seek medical advice.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical attention in case of problems or if problems persist.

After swallowing:

Rinse mouth.

Do not induce vomiting.

Call for a doctor immediately.

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#### 4.2. Most important symptoms and effects, both acute and delayed

Dust may cause mechanical eye and skin irritation.

Inhalation of dust may cause irritation of the respiratory system.

After swallowing:

Nausea

Vomiting

Diarrhea

Gastric or intestinal disorders

#### 4.3. Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

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### \* **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

#### 5.2. Special hazards arising from the substance or mixture

The product itself is not combustible.

In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Nitrogen oxides (NO<sub>x</sub>)

Boron oxides

#### 5.3. Advice for firefighters

Protective equipment: Wear a self-contained breathing apparatus and chemical resistant suit.

Additional information:

Do not inhale explosion gases or combustion gases.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Move undamaged containers from immediate hazard area if it can be done safely.

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### \* **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

Avoid contact with skin and eyes.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear personal protection equipment.

Ensure adequate ventilation.

#### 6.2. Environmental precautions

Dumping into the environment must be prevented.

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### 6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.

Remove mechanically, placing in appropriate containers for disposal.

Use approved industrial vacuum cleaner for removal.

### 6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## \* SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear personal protective equipment. See section 8.

Wash hands before breaks and at the end of work.

Ensure that washing facilities are available at the work place.

Prevent formation of dust.

Avoid dust deposits.

Ensure adequate ventilation.

Information about fire - and explosion protection: Usual measures for fire prevention.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Keep tightly closed in a cool, dry and well ventilated place.

Store only in the original container.

Information about storage in one common storage facility:

Keep away from food, drink and animal feeding stuffs.

Do not store together with oxidising and acidic materials.

Further information about storage conditions:

Store under lock and key and with access restricted to technical experts or their assistants only.

Keep the packaging dry and well sealed to prevent contamination and adsorption of dampness.

Ensure that local, federal and national legislation on storage conditions are observed.

Storage class: 13 Incombustible solids

7.3. Specific end use(s) See section 1.

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\* **SECTION 8: Exposure controls/personal protection**

Additional information about design of technical facilities:

Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

### 8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

### 8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Ensure adequate ventilation.

Do not eat, drink, smoke or sniff while working.

Be sure to clean skin thoroughly after work and before breaks.

After cleaning apply high-fat content skin care cream.

Ensure that washing facilities are available at the work place.

Wash contaminated clothing prior to re-use.

Contaminated work clothing should not be allowed outside the workplace.

Store protective clothing separately.

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Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required.

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Suitable respiratory protective equipment:

Particulate filter device

Filter P2 or P3

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Protection of hands:

Tested protective gloves are to be worn. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Recommendation:**

Nitrile rubber, NBR

Penetration time:  $\geq 480$  min

Recommended thickness of the material:  $\geq 0.11$  mm

Natural rubber, NR

Penetration time:  $\geq 120$  min

Recommended thickness of the material:  $\geq 0.6$  mm

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Eye protection: Dust protection goggles

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Body protection: Protective work clothing

Limitation and supervision of exposure into the environment: Dumping into the environment must be prevented.

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\* **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

General Information

Appearance:

Form:	Solid Powder
Colour:	White
Odour:	Odourless
Odour threshold:	No data available.

pH-value: No data available.

Change in condition

Melting point/Melting range:	No data available.
Boiling point/Boiling range:	No data available.

Flash point: No data available.

Flammability (solid, gaseous): Non flammable.

Ignition temperature: No data available.

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Decomposition temperature:	2204 °C (BN)
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard. In use, dust may form flammable/explosive mixtures with air.
Explosion limits:	
Lower:	No data available.
Upper:	No data available.
Vapour pressure:	Not applicable.
Density:	1.8-2.1 g/cm <sup>3</sup>
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with water:	Insoluble
Partition coefficient (n-octanol/water):	Not applicable.
Viscosity:	
Kinematic:	Not applicable.
9.2. Other information	Bulk density: 0.2-0.6 g/cm <sup>3</sup>

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\* **SECTION 10: Stability and reactivity**

10.1. Reactivity     The product is stable under standard conditions (temperature, pressure) of storage and handling.

10.2. Chemical stability

The product is stable under standard conditions (temperature, pressure) of storage and handling.

10.3. Possibility of hazardous reactions

Dust may form flammable/explosive mixtures with air.

Reacts with strong acids and oxidising agents.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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Water/moisture

#### 10.5. Incompatible materials

Strong acids

Oxidizing agents

#### 10.6. Hazardous decomposition products

In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Nitrogen oxides (NO<sub>x</sub>)

Boron oxides

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\* **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

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\* **SECTION 12: Ecological information**

#### 12.1. Toxicity

Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability    No further relevant information available.

12.3. Bioaccumulative potential    No further relevant information available.

12.4. Mobility in soil    No further relevant information available.

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General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects No further relevant information available.

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\* **SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Recommendation:

Waste disposal according to official state regulations.

Dumping into the environment must be prevented.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Hand over to officially registered waste disposal company.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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\* **SECTION 14: Transport information**

14.1. UN-Number

ADR, ADN, IMDG, IATA

Void.

14.2. UN proper shipping name

ADR, ADN, IMDG, IATA

Void.

14.3. Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void.

14.4. Packing group

ADR, IMDG, IATA

Void.

14.5. Environmental hazards

Not applicable.

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14.6. Special precautions for user Not applicable.

14.7. Transport in bulk according to Annex II of Marpol  
and the IBC Code Not applicable.

UN "Model Regulation": Void.

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\* **SECTION 15: Regulatory information**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) No 1272/2008 (CLP)

Regulation 98/24/EC (employee health protection)

Directive 2012/18/EU

Named dangerous substances - ANNEX I: None of the ingredients is listed.

National regulations: National legislation has to be observed!

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning women of child-bearing age must be observed.

15.2. Chemical safety assessment A Chemical Safety Assessment has not been carried out.

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\* **SECTION 16: Other information**

For this product, no Safety Data Sheet is legally required under European Regulation 1907/2006 (REACH). Saint-Gobain Advanced Ceramics Corporation made a decision to deliver appropriate information to their customers in the safe handling and use of this product through this Safe Use Instruction Sheet.

Training hints:

The product should only be handled by persons, who were informed sufficiently about the nature of the product and about the necessary safety precautions.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Sources: Data arise from reference works and literature.

\* Data compared to the previous version altered.

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