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 Powder**

Article codes:

PUHP500, PUHP1010, PUHP1010M, PUHP501,

PUHP3002, PUHP3008M, PUHP1109, PUHP1109C, PUHP1109M, PUHP3016M, PUHP1108,

PUHP3008J, PUHP1109J, PUHP1010T, PUHP1010J,

TBN16, PUHP50S, PUHP120T, PUHP200S

CAS Number:
10043-11-5

EC number:
233-136-6

Registration number: 01-2119947399-20-0003

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

Application of the substance / the mixture: Additives in personal care formulations.

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

Only Representative:

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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

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 substance is not classified according to the CLP regulation.

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008: void

Hazard pictograms: void

Signal word: void

Hazard statements: void

2.3. Other hazards Dust may form flammable/explosive mixtures with air.
Results of PBT and vPvB assessment: This substance does not meet the criteria for classification as PBT or vPvB.

* SECTION 3: Composition/information on ingredients

3.1. Substances

CAS No. Description
10043-11-5 boron nitride (99.9-100%)
Identification number(s):
EC number: 233-136-6
Additional information: REACH registration number: 01-2119947399-20-0003

* 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.

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

After skin contact:
Immediately wash with water and soap and rinse thoroughly.
Seek medical attention in case of problems or if problems persist.

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 medical help immediately.

4.2. Most important symptoms and effects, both acute and delayed
Dust may cause mechanical eye and skin irritation.
May cause respiratory irritation.
Prolonged or repetitive inhalation of dust may affect the lungs (pneumoconiosis).
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.

* 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 (NOx)
Boron oxides

5.3. Advice for firefighters
Protective equipment: Wear a self-contained breathing apparatus and chemical resistant suit.

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Additional information:
Move undamaged containers from immediate hazard area if it can be done safely.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

* 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.

6.2. Environmental precautions Dumping into the environment must be prevented.

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.

* SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid breathing dust/fume/gas/mist/vapours/spray.
Avoid contact with eyes or skin. Wear personal protective equipment.
Prevent formation of dust.
Any unavoidable deposit of dust must be regularly removed.
Ensure good ventilation/exhaustion at the workplace.
Wash hands before breaks and at the end of work.

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:
Store only in the original container.
Keep tightly closed in a cool, dry and well ventilated place.

(Contd. on page 5)

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.

* 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: Not required.

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.
Wash hands before breaks and at the end of work.
Ensure that washing facilities are available at the work place.
Contaminated work clothing should not be allowed outside the workplace.
Take off contaminated clothing and wash before reuse.
After cleaning apply high-fat content skin care cream.

Respiratory protection:
If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.
With correct and proper use, and under normal conditions, breathing protection is not required.
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:

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Particulate filter device
Filter P1 or P2

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.
Material of gloves:
Recommendation:
Nitrile rubber, NBR
Penetration time: ≥ 480 min
Recommended thickness of the material: ≥ 0.11 mm
Natural rubber, NR
Penetration time: ≥ 120 min
Recommended thickness of the material: ≥ 0.6 mm
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.
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.

Eye protection: Dust protection goggles

Body protection: Protective work clothing

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

* SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Appearance:	
Form:	Solid Powder
Colour:	White Whitish
Odour:	Nearly odourless
Odour threshold:	Not determined.
pH-value:	No data available.
Change in condition	
Melting point/Melting range:	No data available.

(Contd. on page 7)

Boiling point/Boiling range:	No data available.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Ignition temperature:	No data available.
Decomposition temperature:	2204 °C
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Density:	1.8-2.1 g/cm³
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with water:	Insoluble
Partition coefficient (n-octanol/water):	Not applicable.
Viscosity:	
Kinematic:	Not determined.
9.2. Other information	Bulk density: 0.2-0.6 g/cm³ Molecular weight: 24.82 g/mol

* 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
Reaction possible with strong acids and oxidising agents.

(Contd. on page 8)

Dust may form flammable/explosive mixtures with air.

10.4. Conditions to avoid
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Water/moisture

10.5. Incompatible materials
Strong acids
Oxidizing agents, strong

10.6. Hazardous decomposition products
In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Nitrogen oxides (NOx)
Boron oxides

* SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values:		
Oral	LD50	> 5000 mg/kg (rat)
Inhalative	LC50/4h	> 5 mg/L (rat)

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 (carcinogenity, 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.

General notes: Not known to be hazardous to water.

12.5. Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6. Other adverse effects No further relevant information available.

* SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recommendation:
Waste disposal according to official state regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dumping into the environment must be prevented.
Hand over to officially registered waste disposal company.

Uncleaned packaging:
Recommendation:
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.
Disposal must be made according to official regulations.

* SECTION 14: Transport information

14.1. UN-Number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	Not applicable.

(Contd. on page 10)

14.4. Packing group	Not applicable.
14.5. Environmental hazards	Not applicable.
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.

* 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: Substance is not 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 been carried out.

* 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:
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

(Contd. on page 11)

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.