



(Material) Safety Data Sheet

SECTION 1 - IDENTIFICATION

Product Name: Tres BN Boron Nitride Cosmetic Powders
Product Code: PUHP1106, PUHP1107, PUHP1106J, PUHP1107J
MSDS Manufacturer Number: 100A
Product Use/Restriction: Additive in cosmetics and skin care formulations. Not intended for food and drug use.
Manufacturer Name: Saint-Gobain Advanced Ceramics Corporation
Address: Boron Nitride
168 Creekside Drive
Amherst, NY 14228-2027
General Phone Number: (716) 691-2000
General Fax Number: (716) 691-2090
Emergency Phone Number: 1-800-424-9300 (CHEMTREC)
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
Website: www.bn.saint-gobain.com
MSDS Creation Date: July 13, 2009
MSDS Revision Date: June 15, 2015

SECTION 2 - HAZARD(S) IDENTIFICATION

GHS Class: GHS Category 5
Emergency Overview: CAUTION! Exposure to dust may be irritating to eyes, nose and throat.
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:
Eye: May cause eye irritation.
Skin: May cause skin irritation.
Inhalation: Inhalation of dusts from this product may cause temporary mechanical irritation of the nose, throat and respiratory tract.
Ingestion: Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Boron nitride (BN)	10043-11-5	95 - 97 %
Poly(dimethylsiloxane)	63148-62-9	0 - 5 %
Siloxanes and Silicones, methyl hydrogen	63148-57-2	0 - 5 %

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Non-Flammable.
Flash Point:	No information.
Flash Point Method:	Not applicable.
Auto Ignition Temperature:	No information.
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Hazardous Combustion Byproducts:	Decomposition of this product may yield oxides of boron and nitrogen. Decomposition of boron nitride occurs at 2204 °C (4000 °F). Polysiloxane compounds may release silicates and formaldehyde upon decomposition.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Methods for containment:	This material will settle out of the air.
Methods for cleanup:	Shovel or sweep up for re-use or disposal. Avoid creating dusty conditions. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7 - HANDLING and STORAGE

Handling:	For industrial use only. Handle with care. Avoid dust formation. Do not breathe dust or spray mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Eye/Face Protection:	Safety glasses with side-shields.
Skin Protection Description:	Normal work clothing (long sleeved shirt, long pants, and gloves) is recommended.
Hand Protection Description:	Use impervious gloves.
Respiratory Protection:	If ventilation is not sufficient to effectively prevent buildup of dusts, appropriate NIOSH respiratory protection must be provided. Consult the NIOSH web site (http://www.cdc.gov/niosh/npptl/topics/respirators/disp_part) for a list of dust respirator types and approved suppliers.
Other Protective:	Follow good industrial hygiene practices when handling this material.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Powder.
Color:	White
Odor:	Odorless
Boiling Point:	Not determined.

Melting Point:	Not determined.
Specific Gravity:	1.8 - 2.1
Solubility:	Insoluble in water.
Vapor Density:	Not applicable.
Vapor Pressure:	Not applicable.
Percent Volatile:	Not applicable.
Evaporation Rate:	Not applicable.
Evaporation Point:	Not applicable.
pH:	Not determined.
Molecular Weight:	Mixture
Viscosity:	Not applicable.
Flash Point:	No information.
Flash Point Method:	Not applicable.
Auto Ignition Temperature:	No information.

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions.
Incompatible Materials:	This product may react with strong acids or oxidizing agents.
Special Decomposition Products:	Decomposition of this product may yield oxides of boron and nitrogen. Decomposition of boron nitride occurs at 2204 °C (4000 °F). Polysiloxane compounds may release silicates and formaldehyde upon decomposition.

SECTION 11 - TOXICOLOGICAL INFORMATION

Boron nitride (BN) :

RTECS Number:	ED7800000
Skin:	Administration onto the skin - Rabbit LD : >20 mL/kg [Details of toxic effects not reported other than lethal dose value]

Poly(dimethylsiloxane) :

RTECS Number:	VX6390000
Eye:	Eye - Rabbit Standard Draize test.: 100 uL/24H [Moderate]
Skin:	Administration onto the skin - Rabbit LD50: >2 gm/kg [Behavioral - Food intake (animal) Gastrointestinal - Hypermotility, diarrhea Skin and Appendages - Dermatitis, other (After systemic exposure)]
Ingestion:	Oral - Rat LD50: >17 gm/kg [Kidney/Ureter/Bladder - Other changes Nutritional and Gross Metabolic - Other changes]

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal:	Dispose of in accordance with Local, State, Federal and Provincial regulations.
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SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Not Regulated.
DOT UN Number:	Not Regulated.
IATA:	Not Regulated.

IATA Pictograms

**Not
Regulated**

SECTION 15 - REGULATORY INFORMATION

Risk Phrases: R36/37/38 - Irritating to eyes, respiratory system and skin.

Safety Phrase: S22 - Do not breathe dust.
S37/39 - Wear suitable gloves and eye/face protection.

Boron nitride (BN) :

TSCA Inventory Status: Listed
EINECS Number: 233-136-6
Canada DSL: Listed
South Korea KECL: Listed: KECI Number - KE-03535
Australia AICS: Listed: Assessed by NICNAS: No

Poly(dimethylsiloxane) :

TSCA Inventory Status: Listed
Canada DSL: Listed
South Korea KECL: Listed: KECI Number - KE-31068
Australia AICS: Listed: Assessed by NICNAS: No

Siloxanes and Silicones, methyl hydrogen :

TSCA Inventory Status: Listed
Canada DSL: Listed
South Korea KECL: Listed: KECI Number - KE-31225
Australia AICS: Listed: Assessed by NICNAS: No

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Personal Protection: X
MSDS Creation Date: July 13, 2009
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