



# P.GENERAL PRODUCTS

Technical Service for the Improvement of your Productivity

## MATERIAL SAFETY DATA SHEET

Trade Name : **P-BEADS**

Date Prepared : 24/04/25

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**Note** : The product is not classified as dangerous , and contains no substances classified as dangerous, so there is no Obligation to issue a safety data sheet according to European Regulation 1907/226 / EC. Art 31 (Requirements for safety data sheets)  
The following information complies with the Obligation according to Art.32(for substances on their own or in preparations for which a safety data sheet is not required) and was issued like the structure by Annex II

### **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product name: P- BEADS  
Product description: Spherical glass beads  
Manufacturer: P.General Products.  
234 Moo 5, Prakasa Rd, Prakasa.  
Muang,Samutprakarn.10280 Thailand.  
In case of emergency call : Phone number : 668-1375-1006  
For transportation emergency Call : Phone number : 662-7285248

### **Application**

Grinding Paint , Inkc , Pharmaceutical , Plastic, Plating Resin , Rubber Solution , Adhesive , Coating , Chemical pigment , Cosmetic , Gum Solution , Paper and Textile Industry, Agro Chemicals , Minerals ,Adhesive ,...etc.  
Reflection : Road marking , Themoplast and Deroplast  
Blasting : Shot peening , Shot Blasting for metal and non metal  
Polishing : Optical and Lenses Industry  
Decoraton : Ceramic Tile Surface ,Surface Decoration  
Filter : Water Treatment System.

## **2. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS #	Percent
Glass, oxide, chemicals	65997-17-3	100
Constituents	CAS #	Percent
Silicon dioxide ( $\text{SiO}_2$ )	7631-86-9	70-73
Aluminum oxide ( $\text{Al}_2\text{O}_3$ )	1344-28-1	1-2
Sodium oxide ( $\text{Na}_2\text{O}$ )	12401-86-4	10-15
Magnesium oxide ( $\text{MgO}$ )	1309-48-4	1-4.5
Calcium oxide ( $\text{CaO}$ )	1305-78-8	7-1
Potassium Oxide ( $\text{K}_2\text{O}$ )	12136-45-7	0-1.5

## **3. HAZARDS IDENTIFICATION**

Classification : Not a dangerous product according to Globally Harmonised system (GHS)

Emergency Overview : Noncombustible glass beads. Spilled material is extremely slippery.

Eye Contact : : When used for abrasive blasting, this material can rebound or fragment into sharp particles, which are hazardous to the eyes. Material as supplied is practically non-irritating to eyes.

Skin Contact : When used for abrasive blasting, this material can rebound or fragment into sharp particles, which are hazardous to the skin. Material as supplied is slightly irritating to skin.

Inhalation : When used for abrasive blasting, this material can fragment into respirable particles and can also generate hazardous air contaminants from the material being blasted. Material as supplied may cause irritation to respiratory tract.

Ingestion : No known hazard.

Chronic Hazards : No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.

Physical Hazards: Spilled material is extremely slippery. Noise is a major hazard in abrasive blasting processes. Abrasive blasting can generate heat, sparks, and static electrical charge.

## **4. FIRST AID MEASURES**

Inhalation: Move person to fresh air. Seek medical attention if irritation persists.

Eye Contact: Remove particle carefully from the affected eye and Flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Skin Contact: Wash with mild soap and running water. Use a washcloth to help remove fibers.

To avoid more irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibers into skin. Seek medical attention if irritation persists.

Ingestion: Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that intestinal blockage does not occur.

## **5. FIRE FIGHTING MEASURES**

Flammable limits:	This material is noncombustible.
Extinguishing Media:	This material is compatible with all extinguishing media.
Hazards to fire-fighters:	See Section 3 for information on hazards when this material is present in the area of a fire.
Fire-fighting equipment:	The following protective equipment for fire fighters is recommended when this material is present in the area of a fire: rubber boots with slip-resistant soles.

## **6. ACCIDENTAL RELEASE MEASURES**

Personal protection:	Wear rubber boots with slip-resistant soles, and NIOSH-approved dust respirator where dust occurs. See section 8.
Environmental Hazards:	Sinks in water. No known hazard to aquatic life.
Small spill cleanup:	Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.
Large spill cleanup:	Keep unnecessary people away; isolate hazard area and deny entry. Do not walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.

## **7. HANDLING AND STORAGE**

Handling:	Avoid contact with eyes, skin, and clothing. Do not breathe dust. Promptly clean up spills. Clean up dust from abrasive blasting by wet sweeping or vacuum with high efficiency particulate (HEPA) filter.
Storage:	Keep containers closed. Store in clean metal, fiber or plastic containers.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls :	Mechanical dry processing of the product can generate a risk of dust: The local limits of dust concentration at the work have to be considered.
General work protection:	Do not inhale dust. Avoid contact with eyes and skin. In addition it is recommend to wear hand-, skin- and mouth protections.
Hygiene measure :	Do not eat, drink, smoke or snuff during work. Wash hands prior to breaks and after finishing work. Change soiled clothes.
Respiratory protection :	Mask filter is required when mechanical processing is done with dust exposure.
Hand protection	Suitable protective gloves are recommended .
Eye protection:	Side-shielded safety glasses or goggles.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Glass beads
Color:	White.
Melting point:	Approximately 1450 C.
Odor:	Odorless.
pH:	Not applicable.
Specific gravity:	Approximately 2.46-2.49 g/cm <sup>3</sup>
Solubility in water:	Insoluble.

## **10. STABILITY AND REACTIVITY**

Stability:	This material is stable under all conditions of use and storage.
Conditions to avoid:	None.
Materials to avoid:	Dissolves in hydrofluoric acid.
Hazardous decomposition	
Products:	No known

## **11. TOXICOLOGICAL INFORMATION**

There is no toxicological data available.

## **12. ECOLOGICAL INFORMATION**

Eco toxicity:	There are no known reports of ecotoxicity of nonfibrous glass.
Physical/Chemical:	Sinks in water. Insoluble in water.

## **13. DISPOSAL CONSIDERATIONS**

Classification:	Disposed material is not a hazardous waste.
Disposal Method:	Depending on the type of application.

## **14. TRANSPORT INFORMATION**

DOT UN Status: This material is not regulated hazardous material for transportation.

## **15. REGULATORY INFORMATION**

International Inventories :

United States:	This product or its ingredients are listed on or compliant with the TSCA Inventory.
Canada :	This product or its ingredients are listed on or compliant with the DSL.
Europe :	This product or its ingredients are listed on or compliant with EINECS.
Japan :	This product or its ingredients are listed on or compliant with MITI.
Australia :	This product or its ingredients are listed on or compliant with AICS.
Korea :	This product or its ingredients are listed on or compliant with ECL.
Philippines :	This product or its ingredients are listed on or compliant with PICCS.
China :	This product or its ingredients are listed on or compliant with IECSC.
Thailand	This product or its ingredients are listed on or compliant with TAS.

## **16. OTHER INFORMATION**

### Further information

Company details :	P.General Products. 234 Moo 5, Prakasa Rd, Prakasa. Muang, Samutprakarn.10280 Thailand. Phone 662-7285246-8 Fax 662-7285249 E-mail : <a href="mailto:info@p-general.com">info@p-general.com</a> Web site : p-general.com
Technical contacts:	Mr Piyabud Majchacheep ( Managing Director )
Information :	Mrs. Nucharin Poolsuan (Assistant Manager )

All details noted in this data sheet correspond to our knowledge at the time this data sheet has been put into effect. This information should be used as a guideline for a safe treatment in accordance with the products mentioned in our material safety data sheet, during storage, production, transport and disposal. This information is not applicable to other products, to newly produced materials, if the product mentioned in this material safety data sheet is mixed or blended with other articles or when other transformations are made to it.