

Material Safety Data Sheet

According to regulation (EC) No 1907/2006 Reach

Trade name: PB Sphere Shot blast cleaning media

Revision Date: 1/15/2014

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

Trade Name: Sphere Shot blast cleaning media granulate in all sizes  
PB-00, PB-1, PB-2, PB-2,5, PB-3, PB-4

Product Category: Polystyrene divinyl benzene co-polymer plastic bead

Intended Use: Dry blast cleaning, deburring, deflashing

Manufacturer: Maxi-Blast Inc  
3650 North Olive Road  
South Bend, IN 46628, USA

Information contact: 001-574-233-1161

Emergency phone: 001-574-233-1161

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2. HAZARDS IDENTIFICATION

The unused product does not contain any components in concentrations, which require a classification as a hazardous substance according to regulation (EC) No 548/1967.

During mechanical application (e.g. in blasting machines), dust may occur. The usual precautions should be taken. The statutory limit values for dust in your country have to be observed.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization/identification number

Main Ingredients	Hazard Symbols	Percent by weight	R-phrases	CAS	EINECS
Crosslinked polystyrene divinyl benzene co-polymer		>99		9003-70-7	

The ingredients mentioned above are not free available. All ingredients are bonded firmly in the molecular matrix. Material is non-hazardous and other typical uses are for softening/treating water

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4. FIRST AID MEASURES

In case of inhalation:	Ensure sufficient fresh air supply and consult a physician if necessary
In case of skin contact:	No measures necessary, if necessary wash with soap & water
In case of eye contact:	Rinse out with plenty of water for at least 10 minutes with the eyelids held wide open. Consult an ophthalmologist
In case of ingestion:	Do not ingest, but a small amount is not harmful

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use the following extinguishing media when fighting fires involving this material: Water spray, carbon dioxide, foam, dry chemical

Specific hazards during fire fighting: Toxic fumes are generated when material is exposed to fire or fire conditions. Cool closed containers exposed to fire with water spray.

Special protective equipment for fire fighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Avoid breathing smoke

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6. ACCIDENTAL RELEASE MEASURES

For the unused product, no special measures are necessary

Spilled material should be collected and placed in refuse container

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7. HANDLING AND STORAGE

Handling:	Non-hazardous, no special handling requirements
Storage:	Store preferably in a dry environment

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Specific control parameters are only defined for the elements in the article/compound, whereas no such limits have been established for the article/compound as such in the EC

Dust and vapor have to be maintained below the statutory limits in your country by providing adequate dust collection

Hand protection:	Not necessary, or use skin protection gloves
Eye protection:	Safety glasses
Feet protection:	Safety shoes are recommended
Protective clothing:	Normal working clothes are sufficient
Respiratory protection:	Disposable dust mask is recommended, type FFP2

Avoid contact with skin, eyes, mouth and nose

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	solid
Color:	clear/translucent amber
Odor:	typical odor of plastic-none
pH-Value:	5.0-8.0
Melting point:	none
Boiling point:	none
Flash point:	no data available
Ignition temp:	420° C
Lower explosion limit:	NA
Upper explosion limit:	no data available
Vapor pressure:	no data available
Vapor density:	no data available
Evaporation number:	no data available
Density:	1.0-1.3 g/cm <sup>3</sup>
Bulk density:	0.67-0.77 g/cm <sup>3</sup> (depends on the grain class)
Solubility in water:	none
Dynamic viscosity:	no data available

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10. STABILITY AND REACTIVITY

Stability:	Stable
Thermal decomposition:	>420° C
Conditions to be avoided:	high temperature
Hazardous reactions:	avoid contact with strong oxidizers/nitric acid
Decomposition products:	CO, CO <sub>2</sub>

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11. TOXICOLOGICAL INFORMATION

There are no quantitative data for the product. It can be assumed, that there are no toxicological effects with appropriate handling and use of the product

Not mutagenic, not carcinogenic

Irritation to the skin: none

Irritation to the eyes: none

Sensitivity: none

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12. ECOLOGICAL INFORMATION

The product is not soluble in water, no precautions required. Not biodegradable

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13. DISPOSAL INFORMATION

The information below applies to the product as it is and not with regard to material that may be mixed with other products or materials. Other disposal methods may be necessary with other unknown materials

Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations

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14. TRANSPORT INFORMATION

ADR/RID Not dangerous goods, non-hazardous

ADN Not dangerous goods, non-hazardous

IATA Not dangerous goods, non-hazardous

IMDG Not dangerous goods, non-hazardous

Special precautions for user: Not dangerous cargo

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15. REGULATORY INFORMATION

Labeling according to EC directives: none

Hazard symbols: none

R-phrases: none

S-phrases: none

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16. OTHER INFORMATION

The indications made in this Safety Data Sheet are based on the present state of our know-how and experience. The Safety Data sheet describes the unused product in view of safety requirements. The indications do not constitute any guarantee with regard to product and do not create a contractual legal relationship.

All information given above refers to the unused product. The chemical and physical properties of the waste strongly depend on the conditions of use. All indications made in this Safety Data Sheet concerning composition, dangers, first-aid, fire-fighting measures, accidental release measures, handling and storage, exposure control and personal protection, physical and chemical properties, stability, and reactivity, toxicological information, ecological information, disposal information, transport information and regulatory information are only valid for the unused product and not for abrasive waste

It is the responsibility of the user to find out all the necessary information.