

Section 1: Identification**1.1 Product identifier**

Product Name: Polystyrene Media

1.2 Intended use

Media for surface treatment, surface preparation and/or cleaning by impact.

1.3 Details of the supplier of the product informationSupplier: The Guyson Corporation of U.S.A.
13 Grande Blvd.
Saratoga Springs, NY 12866
www.guyson.com**1.4 Telephone number:** 518-587-7894**1.5 E-mail:** custsvc@guyson.com or info@guyson.com**Section 2: Hazard Identification****2.1 Classification of the substance or mixture**

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 unusual precautions should be taken. The statutory limit values for dust in your country have to be observed.

Section 3: Composition / Information on Ingredients**3.1 Chemical characterization/identification number**

Main Ingredients	Hazard Symbols	Percent by Weight	R-Phrases	CAS	EINECS
Cross-linked polystyrene devinyl benzene co-polymer		>99		9003-70-7	

The ingredients mentioned above are not free available. All ingredients are bonded firmly in the molecular matrix.

Section 4: First-Aid Measures**4.1 Description of first aid measures**

- **In case of inhalation:** Ensure sufficient fresh air. If symptoms develop, obtain medical attention.
- **In case of skin contact:** No measures necessary.
- **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.

Section 5: Fire-Fighting Measures**5.1 Extinguishing media**

Suitable Extinguishing Media: Foam, Dry chemical, Carbon dioxide, Water spray

5.2 Special hazards arising from the substance or mixture

Toxic fumes are generated when material is exposed to fire or fire conditions. Cool closed containers Exposed to fire with water spray.

In the event of fire wear self-contained breathing apparatus.

Section 6: Accidental Release Measures**6.1 Environmental precautions**

For the unused product, no special measures are necessary

6.2 Methods and materials for containment and cleaning up

Spilled material should be collected and placed in refuse container.

6.3 Reference to other sections

Not applicable

Section 7: Handling and Storage**7.1 Handling**

Non-hazardous, no special handling requirements

7.2 Storage

Store preferably in a dry environment

Section 8: Exposure Controls / Personal Protection**8.1 Control parameters:**

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

8.2 Exposure Controls

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

8.2.1 Personal Protective equipment:

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

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- Avoid contact with skin, eyes mouth and nose

Section 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Physical state:	Solid, spherical
Color:	Clear translucent amber
Odor:	Typical odor of plastic-none
pH (Value)	5.0-8.0
Melting Point (°C)	None
Boiling Point (°C)	None
Flash Point (°C)	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 ³
Bulk density	0.67-0.77 g/cm ³ (depends on grain class)
Solubility in water:	None
Dynamic viscosity	No data available

Section 10: Stability and Reactivity**10.1 Information Stability and Reactivity**

Stability	Stable
Thermal decomposition:	>420°
Conditions to be avoided:	High temperature
Hazardous reactions:	Avoid contact with strong oxidizers/nitric acid
Decomposition products:	C0, C02

Section 11: Toxicological Information**11.1 Information on toxicological effects**

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

Irritation to the skin:	None
Irritation to the eyes:	None
Sensitivity:	None

Section 12: Ecological Information

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

Section 13: Disposal Considerations

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.

Section 14: Transport Information

ADR/RID	Not dangerous good, non-hazardous
ADN	Not dangerous good, non-hazardous
IATA	Not dangerous good, non-hazardous
IMDG	Not dangerous good, non-hazardous

Special precautions for user: Not dangerous cargo

Section 15: Regulatory Information

Labeling according to EC directives:	None
Hazard Symbols:	None
R-phrases:	None
S-phrases	None

Section 16: Other information

The indications made in this product information are based on the present state of our know-how and experience. The product information 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 refer to the unused product. As a result of mechanical application changes in the chemical and physical properties could not be excluded. The chemical and physical properties of the waste, strongly depend on the conditions of use. All indications made in this product information 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.