

**Section 1: Identification****1.1 Product identifier**

Product Name: Nylon Plastic media. (Polyamide 'PA 6')

**1.2 Product Category:**

Intended use: Media for surface treatment (deflashing, deburring etc.)

**1.3 Details of the supplier of the product information**

Supplier: Guyson Corporation of U.S.A.  
13 Grande Blvd.  
Saratoga Springs, NY 12866  
[www.guyson.com](http://www.guyson.com)  
[info@guyson.com](mailto:info@guyson.com)

**1.4 Telephone number: 518-587-7894**

**Section 2: Hazard Identification**

**2.1** 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.

**Label Elements**Globally harmonized system, EU (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

According to Directive 67/548/EEC or 1999/45/EC

The product does not require a hazard warning label in accordance with EC Directives.

**Classification of the substance or mixture**According to Regulation (EC) No 1272/2008 (CLP)

No need for classification according to GHJS criteria of the product.

According to Directive 687/548/EEC or 1999/45/EC

Possible hazards:

No specific dangers known, if the regulations/notes for storage and handling are considered.

**Other hazards**According to Regulation (EC) No 1272/2008 (CLP)

No specific dangers known, if the regulations/notes for storage and handling are considered.

**Section 3: Composition / Information on Ingredients****3.1 Substances**Chemical Nature

Polyamide (PA 6)

CAS Number: 25038-54-4

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**

On skin contact: No significant reaction of the human body to the product known.

**Most important symptoms and effects, both acute and delayed**

Symptoms: No significant reaction of the human body to the product known.

**Indication of any immediate medical attention and special treatment needed**

Treatment: Treat symptomatically.

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

Suitable extinguishing media: Water spray, foam, dry powder, carbon dioxide.

**Special hazards arising from the substance or mixture**

At temperatures of >300°C can be emitted: carbon monoxide, hydrogen cyanide, hydrocyanic acid. Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

**Advice for Fire-Fighters**

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with the official regulations.

**Section 6: Accidental Release Measures****6.1 High risk of slipping due to leakage/spillage of product.****Personal precautions, protective equipment and emergency procedures**

No special precautions necessary.

**Environmental precautions**

No special precautions necessary.

**Methods and material for containment and cleaning up**

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of

**References to other sections**

Information regarding exposure controls/ personal protective and disposal considerations can be found in section 8 and 13.

**Section 7: Handling and Storage****7.1 Precautions for safe handling**

Protection against fire and explosion: Take precautionary measures against static discharges.

**7.2 Conditions for safe storage, including and incompatibilities**

Suitable material for containers: Polylined cardboard boxes

Storage stability: Protect against moisture.

**Specific end use(s)**

For the relevant identified use(s) listed in section 1 the advice mentioned in the section 7 is to be observed.

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

Components with the workplace control parameters

None

**8.2 Exposure Controls**

Personal protective equipment

Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General Safety and hygiene measures

No special precautions necessary.

**Pictograms:**

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

Form:	Solid, cubical or cylindrical
Color:	Colorless, or red
Odor:	Odorless
Odor threshold:	Not applicable
pH value:	Not soluble
Melting temp:	Approx 220°C
Onset of boiling:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable, this product is a non-volatile
Flammability:	Not highly flammable
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Ignition temp:	>400°C
Vapor pressure:	Not applicable
Density:	Approx 1.15 g/cm <sup>3</sup>
Relative density:	No data available
Relative vapor density (air):	Not applicable, the product is a non-volatile
Solubility in water:	Insoluble
Partitioning coefficient n-octano/ water:	Not applicable
Self-ignition:	Not self-igniting
Thermal decomposition:	>300°C
Viscosity, dynamic:	Not applicable
Explosion hazard:	Not explosive
Fire promoting properties:	Not fire-propagating
Bulk density:	640-740 kg/m <sup>3</sup>

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

No hazardous reactions if stored and handled as prescribed/indicated.

**Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions**

No hazardous reactions known.

**Conditions to avoid**

Temperature >300°C

**Incompatible materials**

Substances to avoid: No substances known that should be avoided.

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### **Hazardous decomposition products**

Hazardous decomposition products: Carbon monoxide, hydrogen cyanide, hydrocyanic acid, ε-caprolactam

Thermal decomposition products: ε-caprolactam (if heated. Although this product is not made to be heated when used as shot blasting media.)

## **Section 11: Toxicological Information**

### **11.1 Information on toxicological effects**

#### Acute toxicity

Assessment of acute toxicity: Contact with molten product may cause thermal burns. Thermoplastic such as Polyamide 6 may become molten, if heated although this product is not made to be heated when used as intended; as shot blasting deflashing & deburring media.

#### Irritation

Assessment of irritation effects: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Experimental/calculated data: Serious eye damage/irritation: may cause mechanical irritation.

#### Respiratory/skin sensitization

Assessment of sensitization: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

#### Germ cell mutagenicity

Assessment of mutagenicity: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

#### Carcinogenicity

Assessment of Carcinogenicity: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

#### Reproductive toxicity

Assessment of reproductive toxicity: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single: Not applicable

#### Repeated dose toxicity and specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity: Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

#### Aspiration hazard

Not applicable

#### Other relevant toxicity information

Based on our experience and information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

## Section 12: Ecological Information

### 12.1 Toxicity:

Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product.

### Persistence and degradability

Assessment biodegradation and elimination (H20): Experience shows this product to be inert and non-degradable.

### Bioaccumulative potential

Bioaccumulative potential: The product will not be readily bioavailable due to its consistency and insolubility in water.

### Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments: Study scientifically not justified.

### Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (persistent/ bioaccumulative/ toxic) or vPvB (very persistent/very bioaccumulative)

### Additional information

Additional remarks environmental fate and pathway: Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

## Section 13: Disposal Considerations

### 13.1 Waste treatment methods

Incinerate in suitable incineration plant, observing local authority regulations.

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

### Land transport

ADR  
RID

Not classified as a dangerous good under transport regulations  
Not classified as a dangerous good under transport regulations

## **SAFETY DATA SHEET**

### **Inland waterway transport**

**ADN** Not classified as a dangerous good under transport regulations

### **Sea transport**

**IMDG** Not classified as a dangerous good under transport regulations

### **Air transport**

**IATA/CAO** Not classified as a dangerous good under transport regulations

## **Section 15: Regulatory Information**

### **15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this section.

#### **Chemical Safety Assessment**

Chemical Safety Assessment not required.

## **Section 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.