

Material Safety Data Sheet

Safety data sheet according to Regulation (EC) No. 1907/2006 Reach

Date/revised: 1/15/14

Product: Maxi-Blast 'PA' Polyamide Nylon Plastic Shot Blasting Media

1. Identification of the substance/mixture and of the company/undertaking
Product Identifier

'PA' Polyamide/Nylon Plastic Media

Chemical name: polyamide (PA6)

CAS Number: 25038-54-4

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Plastic Shot Blasting Media

Recommend use: For deflashing and deburring plastic & metal parts.

Covering all PA part #'s as follows: PA-70, PA-60, PA-50, PA-40, PAC-40, PA-30, PAC-30, PA-20, PAC-20, PAC-15 particles in cubical and cylindrical form

Details of the supplier of the safety data sheet

Company:

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

Telephone: 574-233-1161

e-mail address: info@maxiblast.com

International emergency number: 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 and vapor may occur. The usual precautions should be taken. The statutory limit values for dust and vapor 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 for 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.

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3. Composition/information on Ingredients

Substances

Chemical Nature

Polyamide (PA 6)

CAS Number: 25038-5-54

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

4. First-Aid Measures

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 & 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

5. Fire-Fighting Measures

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 official regulations.

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6. Accidental Release Measures

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.

Reference to other sections

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

7. Handling and Storage

Precautions for safe handling

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

Conditions for safe storage, including any 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 this section 7 is to be observed.

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8. Exposure Controls/Personal Protection

Control Parameters

Components with workplace control parameters

None

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.

9. Physical and Chemical Properties

Information on basic and physical and chemical properties

| | |
|-------------------------------|--|
| Form: | granules |
| Color: | colorless or red |
| Odor: | odorless |
| Odor threshold: | Not applicable |
| pH value: | Not soluble |
| Melting temperature: | Approx 220° C (DIN 53765) |
| Onset of boiling: | Not applicable |
| Flash point: | Not applicable |
| Evaporation rate: | Not applicable, this product is a non-volatile solid |
| Flammability: | Not highly flammable |
| Lower explosion limit: | Not applicable |
| Upper explosion limit: | Not applicable |
| Ignition temperature: | > 400° C (ASTM D1929) |
| Vapor pressure: | Not applicable |
| Density: | Approx. 1.15 g/cm ³ |
| Relative density: | No data available |
| Relative vapor density (air): | Not applicable, the product is a non-volatile solid |
| Solubility in water: | Insoluble |

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| 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 |

Other information

| | |
|---------------|---------------------------|
| Bulk density: | 640-740 kg/m ³ |
|---------------|---------------------------|

10. Stability and Reactivity

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.

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 a shot blasting media.

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11. Toxicological Information

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 irritating 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 the 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 the 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 the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Reproductive toxicity

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

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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 the 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 the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. Ecological information

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 (H₂O): Experience shows this product to be inert and non-degradable.

Bioaccumulative potential

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

Mobility in soil (an 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)

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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.

13. Disposal considerations

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

14. Transport information

Land transport

ADR Not classified as a dangerous good under transport regulations

RID Not classified as a dangerous good under transport regulations

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

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15. Regulatory Information

Safety, health and environmental regulations/legislation 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

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