



## Safety Data Sheet according to Regulation (EC) No 1907/2006

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: GUYBLAST

Contains: Thermoset Urea Amino Plastic Media.

Intended Use: Blast cleaning abrasive for industrial use.

Supplier: Guyson International Ltd.  
Snaygill Industrial Estate,  
Skipton, North Yorkshire.  
BD23 2QR

Tel: +44 (0)1756 799911

E-mail: [info@guyson.co.uk](mailto:info@guyson.co.uk)

Emergency contact number: +44 (0)1756 799911

### 2. HAZARDS IDENTIFICATION

#### Classification of substance or mixture.

No hazardous product as specified under Directive 67/548/CE and exempt under REACH Regulation 1907/2006(Recycled material and polymer category exemption)

Inert urea amino polymer does not meet the criteria for classification in accordance with the REACH regulations 1907/2006.

No special conditions are therefore needed.

The material is not considered hazardous in normal use but the following potential hazards should be recognised:

Human health effects: Not classified.

Inhalation: Excessive dust inhalation may be harmful.  
Noxious fumes evolved during fire(section 5)

Skin & eye contact: Mechanical injury to skin and/or eyes can occur.  
Skin irritation in susceptible individual

Primary routes of entry: Inhalation, skin, eye – through mechanical contact only.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical characterization/identification number

ITEM	CONTENT (%)	CAS NO.	EINECS NO.
Thermoset Urea Amino Polymer	66-70	9011-05-6	NA
Cellulose	30-33	9004-34-6	232-674-9
Titanium Dioxide	<0.8	13463-67-7	236-675-5
Iron Oxide	<0.01	1309-37-1	215-168-2
Zinc Stearate	<0.01	557-05-1	209-151-9
Barium Sulfate	<0.01	7727-43-7	231-784-
Lankrostat® QAT, Anti-static solution	<0.002	68989-03-7	N/A

### 4. FIRST AID MEASURES

The product may cause temporary mechanical irritation to the eyes, nose, throat and lungs.

Eye contact	Remove contact lenses and rinse the eyes with open eye lids for 10 minutes under running water.
Skin contact	Wash off with soap & water.
Inhalation	Provide the affected person with fresh air consult a doctor in case of irritation of the respiratory tract.
Ingestion	Rinse out mouth and drink water. Do NOT induce vomiting.
Advice to physician:	No specific advice. Treat according to symptoms present.

### 5. FIRE FIGHTING MEASURES

Extinguishing media	CO <sub>2</sub> , powder or water mist.
Unsuitable extinguishing media	Do not use water jets.
Unusual fire & explosive hazards	This product will not ignite unless suspended as dust in sufficient concentration in air, in which case for decomposition and explosion limits refer to section 10.



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Advice for fire-fighters

Wear self-contained breathing apparatus and protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.  
Avoid breathing dust. Use appropriate personal protective equipment.

Environmental protection

Make sure spills can be contained.  
Do not allow to enter into surface water or drains.  
Do not allow to enter into soil/subsoil.

Spill clean-up methods

Ventilate the area thoroughly.  
Vacuum or sweep up material and place in a suitable container for re-cycling or disposal.

References to other sections

Section 1 - Emergency contact information  
Section 8 - Personal protective equipment  
Section 13 - Waste Disposal

### 7. HANDLING AND STORAGE

Precautions for safe handling

Inert urea amino polymer is not classified and no protective measures are needed for safe handling.

Prevent formation of dust.

Use only in well ventilated areas.

Wear personal protective clothing.

Wash hands and face before breaks and after work.

Conditions for safe storage

Keep dry.

Product is inflammable thermoplastic which burns with great heat.

High dust concentration could form an explosive mixture with air.

Abrasive blast cleaning may fracture the product and generate dust. Ventilate work area in vicinity of operator.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

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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 vapour have to be maintained below the statutory limits in your country by providing adequate dust collection. Avoid contact with skin, eyes, mouth and nose.

### Occupational Exposure Limits

For	CONTENT (%)	CAS NO.	EINECS NO.	Inhalable	Respirable
Thermoset Urea Amino Polymer	66-70	9011-05-6	N/A	10 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>
Cellulose	30-33 232-	9004-34-6	674-9	10 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>
Titanium Dioxide TiO <sub>2</sub>	<0.80	13463-67-7	236-675-5	10 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>
Iron Oxide Fe <sub>2</sub> O <sub>3</sub>	0.20	1309-37-1	215-168-2	-	5 mg/m <sup>3</sup>
Zinc Distearate	<0.01	557-05-1	209-151-9	10 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>
Barium Sulfate	<0.01	7727-43-7	231-784-	10 mg/m <sup>3</sup>	4 mg/m <sup>3</sup>
Lankrostat® QAT, Anti-static solution	<0.002	68989-03-7	N/A		

Engineered controls:



Preferred methods of use are either in a blast cabinet with a dust collector or in a closed-circuit blasting system.

If a blast room is used it must have a dust extraction system to keep dust levels below the occupational exposure limits.

Personal Protective Equipment:

**Blast cabinet**

Respiratory protection:

Disposable dust mask. FFP2

Hand protection:

Not necessary, or use skin protection gloves

Eye protection:

Safety glasses EN166

Protective clothing:

Normal working clothes are sufficient, Safety shoes are recommended.



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### Personal Protective Equipment



### Blast Room

Blasting operatives should wear a CE marked approved blasting helmet.

Operatives should always wear appropriate gauntlets.

Operatives should wear a purpose designed blasters' suit.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid, Spherical / Granulate
Colour:	White / Clear translucent or multi-coloured
Odour:	typical odour of plastic - none
pH-Value:	4.0-8.0
Melting point:	450°C
Flash point:	no data available
Ignition temp:	475°C
Explosion limit:	60g/m <sup>3</sup>
Density:	1.5g/cm <sup>3</sup>
Solubility in water:	Not soluble

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Thermal decomposition:	450°C
Conditions to be avoided:	Excessive thermal exposure to decomposition points. Exposure to very strong acids, bases and oxidising agents.
Hazardous reactions:	Product is a self-extinguishing thermosetting plastic ignitable by flame or temperature above decomposition point.
Decomposition products:	At temperatures above decomposition point smoke containing CO, CO <sub>2</sub> , NO <sub>x</sub> , CH <sub>2</sub> O and NH <sub>3</sub> can be given off.

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### 11. TOXICOLOGICAL INFORMATION

No hazardous product as specified in Directive 67/548/CE (CLP) and OSHA (Federal Hazard Communication Standard). According to our present knowledge, no adverse health effects are expected when the product is handled and used with Due care and attention, in the intended field of application.

The product may cause temporary mechanical irritation to the eyes, nose, throat and lungs.

Irritation to the skin:	Powders can be irritants for particularly sensitive subjects.
Inhalation:	Can cause irritation to respiratory tract
Ingestion:	Extremely low order of toxicity
Irritation to the eyes:	None

### 12. ECOLOGICAL INFORMATION

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

Eco-toxicity:	LC <sub>50</sub> 96h fish>4500kg/l. Low toxicity for marine organisms. This data pertains to uncured moulding powder; toxicity for cured product is expected to be even lower. The final product is manufactured from cured inert mouldings.
Persistence and degradability:	The material has a low biodegradability.
Bio-accumulative potential:	No bio-accumulation is to be expected.
Other adverse effects:	Water hazard class 1 (D) (Self Classification); slightly dangerous for water. Do not allow undiluted or large amounts into the ground water, surface water or drains. This data pertains to uncured moulding powder; product is manufactured from inert cured mouldings. Good practice would also recommend the above criteria.

### 13. DISPOSAL CONSIDERATIONS

The abrasive must be disposed of in accordance with national legislation and local regulations.

The material as supplied is classed as a non-hazardous inert solid waste.



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The waste producer must determine if hazardous substances in the coating being removed are likely to cause the waste to be hazardous.

### 14. TRANSPORT INFORMATION

Land Transport (ADR/RID)	Not classified according to Transport Regulations for Hazardous/Dangerous Goods
Marine Transport (IMO/IMD)	Not classified according to Transport Regulations for Hazardous/Dangerous Goods
Air Transport	Not classified according to Transport Regulations for Hazardous/Dangerous Goods

### 15. REGULARITY INFORMATION

Safety, health and environmental regulations/legislation specific for substance or mixture.	The product is not hazardous according to Directive 67/548/CE and 199/45/CE, OSHA's Federal Hazard.
Labelling Requirement	Not subject to labelling in accordance with current regulations.

### 16. OTHER INFORMATION

#### Disclaimer

It remains the users own responsibility to ensure that the information contained is appropriate for the use of this product.

The information contained herein is to the best of our knowledge accurate, however, as circumstances and conditions in which it may be used are beyond our control, we do not accept liability for any loss or damage, however arising, which results directly or indirectly from the use of such information.