



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

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

Product name: FLASHGRIT (Premium)
Contains: Acrylic Plastic Blasting Media
Intended Use: Blast cleaning abrasive for industrial & aerospace applications.
Supplier: Guyson International Ltd.
Snaygill Industrial Estate,
Skipton, North Yorkshire.
BD23 2QR
Tel: +44 (0)1756 799911
E-mail: 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 acrylic 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:

Dust Inhalation: Excessive dust inhalation may be harmful.
Skin & eye contact: Mechanical injury to skin and/or eyes can occur.
Fire: Noxious fumes evolved during fire(section 5)
Primary routes of entry: Inhalation, skin, eye – through mechanical contact only.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization/identification number

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Compound	Typical Content %	CAS No	EINECS No
Poly Methyl Methacrylate Polymer	99.4	9011-14-7	N/A
Titanium Dioxide (Pigments)	<0.8	13463-67-7	236-675-5
Lankrostat® QAT, Anti-static solution	<0.001	68989-03-7	

4. FIRST AID MEASURES

In case of inhalation:	Remove to fresh air. Get medical attention if symptoms occur. Monomeric vapours of heated up media may cause dizziness, headaches and mood swings.
In case of skin contact:	Substance is not a skin irritant and not a skin sensitizer. Wash with water and soap. Remove contaminated clothing and footwear, Get medical advice if symptoms occur.
In case of eye contact:	Substance is not an eye irritant. Use general measures if eye irritations occur. Do not rub eyes. Immediately wash with plenty of water. Check for and remove any contact lenses. If irritation persists, get medical attention. Monomeric vapours of heated up media may cause eye irritation.
In case of ingestion:	No danger known, wash mouth out if appropriate. Do not induce vomiting. Give water to drink.
Advice to physician:	No specific advice. Treat according to symptoms present.
Symptoms and effects, acute and delayed:	The product may cause temporary mechanical irritation to the eyes, nose, throat and lungs.

5. FIRE FIGHTING MEASURES

Extinguishing media	CO ₂ , powder or water mist.
Unsuitable extinguishing media	Do not use water jet.
Fire & explosive hazards	Auto-ignition temperature 135°C High dust concentration could form an explosive mixture with air. Dust explosion levels must be considered where the material or substrate being processed creates a possible explosive dust. In this instance refer to the component / metal / substrate suppliers data pertaining to its respective characteristics.

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Specific hazards	Smoke, CO ₂ , CO, Monomer vapours.
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

Usage precautions :	Inert acrylic 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.
Storage precautions :	Keep dry. Product is an inflammable thermoplastic which burns with great heat. High dust concentration could form an explosive mixture with air.

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

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.

Formula	CONTENT (%)	CAS NO.	EINECS NO.	Inhalable	Respirable
$(C_5O_2H_8)_n$	99.4	1344-28-1	215-691-6	10 mg/m ³	4 mg/m ³
TiO ₂	0.8	13463-67-7	236-675-5	10 mg/m ³	4 mg/m ³

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 or FFP3

Hand protection:

Not necessary, or use skin protection gloves

Eye protection:

Safety glasses or goggles EN166

Protective clothing:

Normal working clothes are sufficient, Safety shoes are recommended.



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

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Physical state:	Granulate
Color:	White/grey or multi-coloured
Odour:	slight methyl-methacrylate smell
pH-Value:	4 – 8 (at 250g/l H ₂ O at 20°C)
Melting point:	150°C
Boiling point:	none
Flash point:	no data available
Ignition temp:	390°C
Lower explosion limit:	lower limit – 45g/m ₃
Upper explosion limit:	no data available
Vapor pressure:	no data available
Vapor density:	no data available
Evaporation number:	no data available
Density:	1.0-1.3g/cm ³
Solubility in water:	Not soluble
Dynamic viscosity:	no data available

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Thermal decomposition:	370° C
Conditions to be avoided:	Excessive thermal exposure to decomposition points. Exposure to very strong acids, bases and oxidising agents.
Hazardous reactions:	As above
Decomposition products:	At temperatures above decomposition point smoke containing CO, CO ₂ and methacrylate monomers can be given off.

11. TOXICOLOGICAL INFORMATION

No damage to health is known after many years of working with the product.
Maximum exposure limits for monomers: 5 – 10 ppm (1987)

Smell limit of decomposition products: 1 – 50 ppm

Explosion limits of decomposition Products: 2.1 – 12.5 vol.%



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12. ECOLOGICAL INFORMATION

Eco-toxicity	None
Persistence and degradability	The material is inert and very slowly bio-degradable.
Bio-accumulative potential	Not applicable
Other adverse effects	None

These products do not contain any substances that are classified under EC legislation for environmental effects.

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.

Spent abrasive used as a blasting medium must be disposed of under classification 12 01 16 (waste blasting material containing dangerous substances) or 12 01 17 (waste blasting material other than those mentioned in 12 01 16).

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



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Safety, health and environmental regulations/legislation specific for substance or mixture.

The product is hazardous according to Directive 67/548/CE and 199/45/CE, OSHA's Federal Hazard.

The products detailed herein are exempt for registration under REACH criteria (European Regulation 1907/2006) on the basis they are (i) recycled materials and (ii) polymers,

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.