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Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1Product identifier: **BARYTES SUPREME**

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

Identified uses: Manufacture of plastics products
Manufacture of paper
Manufacture of batteries and accumulators
Industrial manufacture of coatings and inks
Manufacture of paints and coatings
Industrial and professional use of paints and coatings

Advised Against: None

1.3 Details of the supplier of the safety data sheet

Company: J. Allcock & Sons Ltd.
Address: Textile Street,
West Gorton,
M12 5DL
Tel: +44 (0)161 223 7181
Fax: +44 (0) 161 223 0173
E-mail: ja@allcocks.co.uk

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 Classification Of The Substance– according to 1272/2008/EC
Not regulated under the criteria of EC Directive 1272/2008/EC

2.1.2 Classification Of The Substance – according to 67/548/EEC
Not regulated under the criteria of EC Directive 67/548/EEC. Not classified as dangerous according to EC directives

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
Not required in accordance with Regulation (EC) No 1272/2008

Hazard pictograms Not required
Signal word Not required
Hazard statements Not required

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2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

Section 3: Composition/information on Ingredients

3.1 Classification Of The Substance – according to 67/548/EEC & 1272/2002/EC

Substance	Content, %	CAS No.	EINECS No.	Indication of Danger	Risk phrases (R No.)
Barium Sulphate $BaSO_4$	>97%	7727-43-7	231-784-4	Not Classified	Not Classified

Section 4: First Aid Measures

4.1 Description of first aid measures

General information: Move the exposed person to fresh air at once. Treat symptomatically.
Inhalation: Move to fresh air; consult doctor in case of symptoms.
Skin: Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eyes: Rinse opened eye for several minutes under running water. Remove contact lenses if present and easy to do – continue rinsing. Consult a doctor if irritation persists.
Ingestion: Rinse mouth out and give plenty of water to drink. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. The following symptoms and effects may be observed due to the particulate nature of the material.

Inhalation: May cause irritation to the respiratory tract as a particulate nuisance.
Ingestion: Choking may occur if large quantities are swallowed.
Skin: Drying of the skin can occur.
Eyes: May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5: Fire-fighting Measures

5.1 Extinguishing media Suitable extinguishing agents

Product itself is non-combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

The product itself does not burn. Product is inert, not flammable and incombustible

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5.3 Advice for fire-fighters
Wear self-contained breathing apparatus for fire fighting if necessary

5.4 Further Information
None

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid airborne dust generation. If the generation of dust is likely, personal protective equipment should be worn in compliance with national legislation.

6.2 Environmental precautions
No special environmental precautions required.

6.3 Methods and material for containment and cleaning up
Dry product should be cleaned with a shovel or vacuum cleaner while wearing personal protective equipment in compliance with national legislation.

6.4 Reference to other sections
For disposal see section 13

Section 7: Handling and Storage

7.1 Precautions for safe handling
Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Precautions:	Keep the product dry and in closed containers.
Incompatible products:	Strong reducing agents.

7.3 Specific end use(s)
Extender and additive for paints, coatings, plastics and paper.

Section 8: Exposure Controls and Personal Protection

8.1 Control parameters

Ingredient Name	CAS No	TYPE	VALUE	UNIT
Barium Sulphate	7727-43-7	WEL (UK)	4 (respirable dust)	mg/m3
			10 (total dust)	mg/m3

For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

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8.2 Exposure controls

8.2.1 Appropriate engineering controls

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

8.2.2 Individual protection measures, such as personal protective equipment

Eye/face protection Wear dust resistant safety goggles where there is danger of eye contact especially where dust concentration is likely to exceed the Occupational exposure limit.

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Body Protection Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hygiene Measures Do not eat, drink or smoke when handling. Observe standard industrial hygiene practice.

Environmental Exposure Controls No special exposure controls required.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Powder, Dust
Colour:	White
Mol Weight (At Wt):	233.39
Odour/Taste:	Odourless or No Characteristic Odour.
pH Value:	Approx. 9
Freezing/Melting Point (°C):	Not Applicable
Initial Boiling Point (°C):	Not Applicable
Flash Point (°C):	Not Applicable
Evaporation Rate (Ether = 1):	Not Applicable
Vapour Pressure (mmHg):	Not Applicable
Density:	4.4g/cm_3 at 20°C (Approx.)
Solubility in Water:	< 10_{-2} g/l
Flammability:	Not Applicable
Explosive Limits:	May Explode If Heated with Strong oxidising agents
Auto Ignition Temperature:	Not Applicable
Decomposition Temperature:	1580°C

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9.2 Other information
No other information.

Section 10: Stability and Reactivity

10.1 Reactivity
Inert, not reactive.

10.2 Chemical stability
Stable under normal use conditions.

10.3 Possibility of hazardous reactions
May react explosively when heated with strong reducing agents such as powdered aluminium, phosphorus, potassium metal etc.

10.4 Conditions to avoid
Thermal decomposition >1300°C

10.5 Incompatible materials
Strong reducing agents

10.6 Hazardous decomposition products
Sulphur oxides (SOx), BaO.

Section 11: Toxicological Information

11.1 Information on toxicological effects
Inhalation is the primary route of exposure. Repeated and prolonged exposure to large amounts of dust might induce a mild pneumoconiosis.

Acute toxicity:	Not Toxic
Skin corrosion/irritation: Serious	May cause irritation.
eye damage/irritation:	May cause irritation
Respiratory or skin sensitisation:	May cause irritation
Germ cell mutagenicity:	Based on available data, the classification criteria are not
Carcinogenicity:	met Based on available data, the classification criteria are
Reproductive toxicity:	not met No data are available on this product.
STOT-single exposure:	Based on available data, the classification criteria are not met
STOT-repeated exposure:	Based on available data, the classification criteria are not met
Aspiration hazard:	Based on available data, the classification criteria are not met.

Section 12: Ecological Information

12.1 Toxicity
No specific adverse effect known

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12.2 Persistence and degradability
Product is an inorganic substance and therefore is not considered biodegradable.

12.3 Bio-accumulative potential
Not expected to bio-accumulate

12.4 Mobility in soil
Not relevant

12.5 Results of PBT and vPvB assessment
Not relevant.

12.6 Other adverse effects
No specific adverse effects known.

Section 13: Disposal Considerations

13.1 Waste treatment methods
Waste from residues/unused products: Where possible, recycling is preferable to disposal. Dispose of in compliance with local regulations.

Packaging: Dust formation from residues in packaging should be avoided and suitable worker protection assured.
Store used packaging in enclosed receptacles.
The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.
Recycling and disposal of packaging should be carried out in compliance with local regulations.

Section 14: Transport Information

14.1 UN number
Not relevant.

14.2 UN proper shipping name
Not relevant

14.3 Transport hazard class(es)

ADR:	Not classified.
IMDG:	Not classified.
ICAO/IATA:	Not classified.
RID:	Not classified.

14.4 Packing group
Not relevant.

14.5 Environmental hazards
Not relevant.

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14.6 Special precautions for user
No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant.

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
None identified.

15.2 Chemical safety assessment
The supplier has not performed a chemical safety assessment on this substance

Section 16: Other Information

16.1 Indication of the changes made to the previous version of the Safety Data Sheet.

Revision Comments:	Update to Advisory Document.
Revision No:	6
Document Status:	Full
Date:	28/05/2019

NOTE: Barytes Supreme is Non Hazardous. As a result, a Safety Data Sheet is not a mandatory requirement. This Advisory Document is provided on a voluntary basis according to REACH Regulation (EC) No. 1907/2006.

Risk Phrases in Full
None

Hazard Statements in Full
None

Abbreviations and acronyms:

PBT:	Persistent Bioaccumulative Toxic Chemical
vPvB:	Very Persistent, Very Bioaccumulative
WEL:	Workplace Exposure Limits
OSHA PEL:	Occupational Safety & Health Administration – Permissible Exposure Limits
NIOSH:	National Institute for Occupational Safety and Health
CEN:	Comité Européen de Normalisation (European Committee for Standardization)
STOT:	Single Target Organ Toxicity
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail (European law)
MARPOL 73/78:	International Convention for the Prevention of Pollution from Ships

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AICS:	Australian Inventory of Chemical Substances.
CEPA:	Canadian Environmental Protection Agency
DSL:	Domestic Substance List
NDSL:	Non-Domestic Substances List
KECI:	Korea Existing Chemicals Inventory
ENCS:	Existing and New Chemical Substances
ISHL:	Industrial Safety and Health Law
MITI:	Ministry of International Trade and Industry
IECSC:	Inventory of Existing Chemical Substances Produced or Imported in China
PICCS:	Philippine Inventory of Chemicals and Chemical Substances
TSCA:	Toxic Substances Control Act
NZIoC:	New Zealand Inventory of Chemicals