

SAFETY DATA SHEET BARTOLINE INTERIOR FILLER POWDER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name BARTOLINE INTERIOR FILLER POWDER

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

Identified uses FOR USE AS A GENERAL PURPOSE FILLER

Uses advised against Not to be used for making casts of body parts, because during setting the product may heat up causing skin burns.

1.3. Details of the supplier of the safety data sheet

Supplier Bartoline limited
Barmston Close
Beverley
East Yorkshire
HU17 0LW
01482 678710
01482 872606
HSE MANAGER
www.bartoline.co.uk

1.4. Emergency telephone number

01482 678727 0800-1700 Monday to Friday

National Emergency Telephone Number

National Poisons Information Service (24hours) 0844 892 0111

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

Classification (1999/45/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

May irritate eyes. Prolonged skin contact may cause temporary irritation. Dust has an irritating effect on moist skin. Liberated dust may irritate throat and respiratory system and cause coughing.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

2.3. Other hazards

WARNING - DO NOT attempt to make a cast of any body parts such hands or fingers. This product gives off heat when mixed with water for setting, which may result in serious skin burns if used for casting body parts.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

BARTOLINE INTERIOR FILLER POWDER

CALCIUM MAGNESIUM CARBONATE		30-60%
CAS-No.: 16389-88-1	EC No.: 240-440-2	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
Calcium Sulphate Hemihydrate		30-60%
CAS-No.: 26499-65-0	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
CITRIC ACID		< 1%
CAS-No.:	EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36/38.	
VINYL ACETATE		< 1%
CAS-No.: 108-05-4	EC No.: 203-545-4	
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

A specially formulated filler containing gypsum minerals, plaster, calcium magnesium carbonate and binders with no known hazardous ingredients in quantities greater than those laid down in the EU and UK chemicals legislation.

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures****Inhalation**

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

BARTOLINE INTERIOR FILLER POWDER

Inhalation.

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Ingestion

Due to the physical nature of this material it is unlikely that swallowing will occur. May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Irritating and may cause redness and pain.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

No hazardous decomposition products.

Unusual Fire & Explosion Hazards

High concentrations of dust may form explosive mixture with air.

Specific hazards

Not relevant

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Avoid inhalation of high concentrations of dust. Use mechanical ventilation in case of handling which causes formation of dust. Wear full protective clothing for prolonged exposure and/or high concentrations. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

BARTOLINE INTERIOR FILLER POWDER**Storage Class**

Unspecified storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

Ensure adequate ventilation of work area and prevent build up of dust. If this is not possible then suitable extraction should be employed near to the emission point.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
CALCIUM MAGNESIUM CARBONATE	WEL		10 mg/m ³			
Calcium Sulphate Hemihydrate	WEL		10 mg/m ³			
CITRIC ACID	WEL		4 mg/m ³			
VINYL ACETATE	WEL	10 ppm	36 mg/m ³	20 ppm	72 mg/m ³	

WEL = Workplace Exposure Limit.

8.2. Exposure controls**Protective equipment****Engineering measures**

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Respiratory equipment

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Hand protection

Use suitable protective gloves if risk of skin contact.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Wear general workwear

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Skin protection

Wash hands after use and wash off any filler that comes into contact with skin before it sets.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Powder, dust
Colour	White / off-white.
Odour	No characteristic odour.
Solubility	Soluble in water.

BARTOLINE INTERIOR FILLER POWDER**Initial boiling point and boiling range**

Not relevant

Melting point (°C)

Not relevant

Relative density

Not relevant

Vapour density (air=1)

Not relevant

pH-Value, Diluted Solution 6.5 - 7.8 280gms powder - 120gms water**Viscosity** 2600 - 3800 (T-F/Spd 10)
Concentration ratio 280g Powder to 120g water.**Flash point** Non Flammable**Explosive properties**

Not Explosive

Oxidising properties

Not applicable.

Not oxidising (based on the chemical structure of the substance and the oxidation states of the constituents elements).

9.2. Other information**Volatile Organic Compound (VOC)** 0 g/litre**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not applicable.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

The product will harden into a hard mass in contact with water and moisture.

10.5. Incompatible materials**Materials To Avoid**

No incompatible groups noted.

10.6. Hazardous decomposition products

May decompose into sulphur trioxide + CaO (quicklime) at temperatures above 1200 degrees C.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Carcinogenicity:**

Does not contain any substances known to be carcinogenic.

Aspiration hazard:

No known effect based on information supplied.

Inhalation

Dust in high concentrations may irritate the respiratory system.

BARTOLINE INTERIOR FILLER POWDER**Ingestion**

May cause discomfort if swallowed.

Skin contact

Powder may irritate skin.

Eye contact

Particles in the eyes may cause irritation and smarting.

Health Warnings

This product has low toxicity. Only large volumes may have adverse impact on human health.

Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

Target Organs

Gastro-intestinal tract Eyes Skin Respiratory system, lungs

Medical Symptoms

Irritation of eyes and mucous membranes.

Medical Considerations

Skin disorders and allergies.

Specific effects

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Toxicological information on ingredients.

VINYL ACETATE (CAS: 108-05-4)

CALCIUM MAGNESIUM CARBONATE (CAS: 16389-88-1)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

CITRIC ACID

Acute toxicity:

Acute Toxicity (Oral LD50)

~ 11700 mg/kg Rabbit

Calcium Sulphate Hemihydrate (CAS: 26499-65-0)

Toxicological information

This substance is non toxic.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Not regarded as dangerous for the environment.

Ecological information on ingredients.

CITRIC ACID

Ecotoxicity

There are no data on the ecotoxicity of this product.

Calcium Sulphate Hemihydrate (CAS: 26499-65-0)

Ecotoxicity

No data on possible environmental effects have been found.

12.1. Toxicity

BARTOLINE INTERIOR FILLER POWDER**Acute Fish Toxicity**

Not considered toxic to fish.

Ecological information on ingredients.**CALCIUM MAGNESIUM CARBONATE (CAS: 16389-88-1)**

Non-Toxic, the product dissociates readily into its constituent ions, all of which are abundant in nature.

CITRIC ACID

LC 50, 96 Hrs, Fish mg/l

440-706

12.2. Persistence and degradability**Degradability**

There are no data on the degradability of this product.

Ecological information on ingredients.**CALCIUM MAGNESIUM CARBONATE (CAS: 16389-88-1)**

Biodegradation

Not available.

12.3. Bioaccumulative potential**Bioaccumulative potential**

No data available on bioaccumulation.

12.4. Mobility in soil**Mobility:**

The product is partly miscible with water and may spread in the aquatic environment.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects**SECTION 13: DISPOSAL CONSIDERATIONS****General information**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Dispose of on site landfill area. Powder to be collected, sealed tightly in bags and disposed on approved landfills.

Waste Class

EU waste code for the powder is 16 03 04 inorganic waste other than those mentioned in 16 03 03. Packaging can be disposed of as waste code 15 01 01 paper and cardboard.

SECTION 14: TRANSPORT INFORMATION**General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Road Transport Notes

Not Classified

Rail Transport Notes

Not classified.

Sea Transport Notes

Not classified.

Air Transport Notes

Not classified.

14.1. UN number

BARTOLINE INTERIOR FILLER POWDER**14.2. UN proper shipping name****14.3. Transport hazard class(es)****Transport Labels**

No transport warning sign required.

14.4. Packing group**14.5. Environmental hazards****14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Uk Regulatory References**

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108). Introduction to Local Exhaust Ventilation HS(G)37.

EU Legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date 05/03/2013

Revision 5

Supersedes date 04/03/2013

Risk Phrases In Full

R11 Highly flammable

R36/38 Irritating to eyes and skin.

NC Not classified.

BARTOLINE INTERIOR FILLER POWDER

Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H225	Highly flammable liquid and vapour.

Disclaimer

The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) The product should not be used for purposes other than those shown in Section 1.2. As the specific conditions of use are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present knowledge and the current EC and Uk Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification.