



SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Revision date: March 2022.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Jesmonite base

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

Identified uses Casting

1.3. Details of the supplier of the safety data sheet

Manufacturer / Supplier PotteryCrafts Ltd / Tiranti
Campbell Road
Stoke
Stoke-on-Trent.
ST4 4ET
Tel 44 (0)1782 745000
sales@potteryCrafts.co.uk / Enquiries@tiranti.co.uk

1.4. Emergency telephone number +44(0) 1782 745000 Office Hours 08:30 – 16:30 hrs Mon-Friday.
National Poisons information service Phone 0191 22 5131

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification In compliance with directives 67/548/EEC, 1999/45/EC and their amendments

Flammable liquid, Category 3 (Flam. Liq. 3, H226).
Repeated exposure may cause skin dryness or cracking (EUH066).
Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).
May produce an allergic reaction (EUH208).
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC Regulation No. 1272/2008 and its amendments.

These products are not classified and dangerous/hazardous under Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (Chip 3).

Additional effects for people environment:

This material will harden and become very hot when mixed with Jesmonite AC100/200/300 liquids. Avoid skin contact and do not attempt to make a cast enclosing any part of the body. If these instructions are not followed, severe burns could result leading to surgical removal of the affected skin or even amputation of the limb.

Powders may irritate eyes or sensitive skin.

Dust may irritate respiratory system.

SECTION 3: Composition/information on ingredients

Chemical Composition:

Principally calcium sulphate hemihydrate and natural constituents, which may include clay, limestone and trace amounts of quartz. Minor amounts (less than 1.0%) of other additives may be included.

CaSO₄ x 0.5 H₂O

CAS number 26499-65-0 (Plaster of Paris)

Einecs number 231-900-3

Dangerous Substances

Cas-No	Name	Content	R - Phrase	Category of Danger	OEL
None	None	None	None	None	None

Ref section 16 - Other information for full details of R-Phrases and danger categories.

Cas-No	Name	Content	WEL Long Term (8hr) mg.m3	WEL Short Term (15 min)mg.3
26499-65-0	Plaster of Paris	>90%	10 Inhalable 4 Respirable	None

SECTION 4: First aid measures

Skin Contact: Wash the area affected area carefully with soap and clean water

Eye contact: wash eyes immediately with plenty of clean water and seek medical advice if irritation persists.

SECTION 5: Firefighting measures

Non-flammable product which does not favour other products combustion

SECTION 6: Accidental release measures

On Spillage:

By brush and shovel as appropriate

Personal precautions

Dust mask and glasses

Environment precautions

Follow paragraph 13 instructions

SECTION 7: Handling and storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Prevention: Avoid repeated skin and eye contact with dry and the hydrated powder. In the case of dust release during operation, collect dust to nearest emission point

Safe handling advice: Not applicable

Storage Conditions

Technical measures: Good stock rotation

Storage conditions: Store clear of the ground and protect from moisture, condensation and heat.

Packaging materials: Polythene lined plastic pail, bulk paper sacks.

SECTION 8: Exposure Controls/personal protection

Protective equipment



Exposure Limits:

Total inhalable dust = 10mg/m³/8h

Respirable dust = 4mg/m³/8h

(occupational exposure standards)

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	White
Odour	None
pH:	8.4
Density:	2.75

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Melting Point	1610°c
Water solubility:	6.5
Flammability	n/a
Explosive properties	n/a

9.2. Other information No data available

SECTION 10: Stability and reactivity

Stable product which does not cause dangerous reactions with other substances

Hazardous decomposition products: None

Conditions to avoid: None

Use measures: None

SECTION 11: Toxicological information

Acute toxicity ingestion	Not toxic
Inhalation	Not toxic
Skin Irritation	Irritant
Eye Irritation	Irritant

SECTION 12: Ecological Information

No effects when paragraph 13 measures followed.

SECTION 13: Disposal considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

Procedure: Dispose of the product in a rubbish dump on conditions it is not mixed with organic waste. Do not throw away the product in the sewerage system, purely for mechanical reasons.

SECTION 14: Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport

Not classified as hazardous for transport.

SECTION 15: Regulatory information

EEC Regulatory Information: None

SECTION 16: Other information

Hazard statements in full

This product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of material.

This information relates only to the specific material designated and may not be valid for such material used in combination With any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate And reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or Completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.