

MATERIAL SAFETY DATA SHEET: PVA FIBRES

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name

JESMONITE PVA FIBRES

Application of Product:

Fibre reinforcement material

Company Address:

Jesmonite Limited. Challenge Court, Bishop's Castle, Shropshire, SY9 5DW

Information in case of emergency:

Tel:+44 (0) 1588 630302 Fax:+44 (0) 1588 630304 Web: www.jesmonite.co.uk Email: sales@jesmonite.co.uk

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization

Polyvinyl Alcohol —(CH₂CH)—

OH

CAS number: 9002-89-5 (fully hydrolyzed PVA)

CAS No Contents

Polyvinyl Alcohol 9002-89-5 more than 95%

Magnesium sulfate 10034-99-8 less than 1%

H₂O 1-5%

3. HAZARDS IDENTIFICATION

2. Hazards identification

This product is fibre and is not subject to CLP classification.

4. FIRST AID MEASURES

Inhalation:

Non respirable - fibres are more than 3 µ m in diameter.

Skin contact: - Wash out affected areas with plenty of water.

Eye contact: - Gently rinse the affected eyes with plenty of clean water and seek medical advice.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

water

dry chemical powder

Beware of carbon monoxide (CO) and carbon dioxide (CO₂) if fire breaks out.

In principle, combustion gases arising from organic materials must be classified as poisonous for inhalation.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Whilst product is classified as non-hazardous - protective gloves and safety goggles are recommended.

Environmental Precautions.

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater

Methods and material for containment and cleaning up

Recovery: Sweep or scoop up and remove

Disposal: Unless the material gather is reusable - it should be disposed in accordance with local and national regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Whilst there are no special handling requirements the use of Dust mask, Protective gloves, and Safety goggles is recommended when handling this product.

Storage: Store in dry location and out of rain.

Avoid high temperature and humidity as well as very cold and wet conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection: Whilst there is no specific requirement for personal protective equipment, the following is recommended when using this product:

Respiratory equipment: Dust mask

Hand protection: Protective gloves

Eye protection: Safety goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form	White coloured fibre
Melting point/melting range:	>200°C
Specific gravity:	1.31
Specific heat:	1.68x10 ³ J/kg°C (0.4kcal/kg°C)
Heat of combustion	1.1x10 ⁶ J/mol (5.99x10 ³ kcal/kg)
Solubility in water:	Insoluble or slightly soluble in general solvents
Flash point:	>200°C
Ignition point:	440°C
Flammability:	Flame resistant
Thermal Decomposition:	>200°C

Ignition character (spontaneous combustion, reactivity with water): None, Self-reactivity/explosion character: none.

10. STABILITY AND REACTIVITY

This material is extremely stable.

11. TOXICOLOGICAL INFORMATION

Sensitisation: No data available

Acute toxicity: No data available

Sub-chronic toxicity: No data available

Carcinogenic effects: No data available

Mutagenic effects: No data available.

12. ECOLOGICAL INFORMATION

Degradability: This material is not biodegradable under the conditions of sludge and water with normal temperatures & this material does not dissolve in water at normal temperatures.

Polyvinyl alcohol aqueous solution is biodegradable under the conditions of sludge with Pseudomonas

Bioaccumulation: This material is classified as non bioaccumulative.

13. DISPOSAL CONSIDERATIONS

In case of landfill, ensure permission in accordance with local and national regulations:

In case of incineration - ensure permission in accordance with local and national regulations:

14. TRANSPORT INFORMATION

Land Transport

ADR

Not classified as dangerous goods under transport regulations

UN number Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Environmental hazards: Not applicable

Special precautions for user: Not applicable

RID

Not classified as a dangerous good under transport regulations

UN number Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user None known

Inland waterway transport

ADN

UN Number Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es) Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None Known

Transport in inland waterway
vessel Not evaluated

Sea transport

IMDG

Not classified as a dangerous good under transport reg

UN number: Not applicable
UN proper shipping number: Not applicable
Transport hazard class(es) Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

Air Transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

UN number: Not applicable
UN proper shipping number: Not applicable
Transport hazard class(es) Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user None known

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Regulation: Not evaluated
Shipment approved: Not evaluated
Pollution Name: Not evaluated
Pollution category: Not evaluated
Ship Type: Not evaluated

15. REGULATORY INFORMATION

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

The data should be considered when making any assessment under to Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom)

16. OTHER INFORMATION

In addition to the information given in the safety data sheet we refer to the product specific Technical Information'.

If you have any queries relating to this MSDS, it's contents or any other product safety related questions, please write to the following email address. Sales@jesmonite.co.uk

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.