

MATERIAL SAFETY DATA SHEET: SUPER PLASTICISER

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name

JESMONITE SUPER PLASTICISER

Application of Product:

Product for construction chemicals

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 Nature

Aqueous solution based on polycarboxylate ether

EEC Risk Classification No.

Classification and hazard labelling

According to Directive 67/548/EEC or 1999/45/EC

No Specific Dangers Known, if the regulations/notes for storage & handling are considered

3. HAZARDS IDENTIFICATION

Label elements

According to Directive 67/548/EEC or 1999/45/EC

Directive 1999/45/EC ('Preparation Directive')

Although this product does not require a hazard warning label we recommend that the safety advice should be observed.

Classification of the substance or mixture

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards

No specific dangers known, if the regulations/notes for storage and handling are considered.

Other hazards

According to Regulation (EC) No 1272/2008 (CLP)

No specific dangers known, if the regulations/notes for storage and handling are considered.

4. FIRST AID MEASURES

Description of first aid measures

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

Inhalation: If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

Skin Contact: After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

Eye Contact: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist

Ingestion: Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Most important symptoms and effects, both acute and delayed.

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Indication of any immediate medical attention and special treatment needed.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. FIRE FIGHTING MEASURES

Flash Point	Non-combustible
Auto-ignition Temperature	N/A
Lower Explosive Limit	N/A
Upper Explosive Limit	N/A
Extinguishing Media	Foam, water spray, dry powder, carbon dioxide
Unsuitable extinguishing media	Water Jet - for safety reasons.
Further information:	The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed in accordance with official regulations.

Sealed containers should be protected against heat as this results in pressure build-up. Keep containers cool by spraying with water if exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.

Environmental Precautions.

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

Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, ear etc.). Dispose of contaminated as prescribed

Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No Special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary

Conditions for safe storage, including any incompatibilities.

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Store protected against freezing. protect from direct sunlight.

Specific End Use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section is to be observed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Components with workplace control parameters

The substances without values are not listed in the occupational exposure regulations for the validity area of this safety data sheet

Exposure controls

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK)

Hand protection:

Impermeable gloves

Synthetic rubber gloves

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Light protective clothing

General safety and hygiene measures

In order to prevent contamination while handling, closed working clothes and working gloves should be used.

Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Yellowish
Odour	Characteristic
pH	5 - 8 @ 20 °C
Density:	approx. 1.1 g/cm ³

Vapour pressure	approx 23 hPa @ 20 °C
Boiling point/boiling range	100°C/212°F Information applies to the solvent.
Solubility in water	Soluble @ 20 °C
Thermal Decomposition:	No decomposition if stored and handled as prescribed/indicated

Other information

Miscibility with water Miscible in all proportions (20 °C)

Hygroscopy: Non-hygroscopic

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section

10. STABILITY AND REACTIVITY

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid

See MSDS section 7 - Handling & Storage

Incompatible materials

Substances to avoid:

Strong Acids, strong bases, strong oxidizing agents.

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

Irritation

Assessment of irritating effects:

Not irritating to eyes and skin. The product has not been tested. The statement has been derived from substance/products of a similar structure or composition.

Respiratory/Skin sensitization

Assessment of sensitization:

The chemical structure does not suggest a sensitizing effect.

Gen cell mutagenicity:

The chemical structure does not suggest a specific alert for such an effect.

Experimental/calculated data:

Ames-test

Mutagenicity tests revealed no genotoxic potential

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproductive toxicity:

The chemical structure does not suggest a specific alert for such an effect.

Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity

Other relevant toxicity information

On the basis of the product's composition, no acute general toxic effects are to be expected. The product has not been tested.

The statement has been derived from substances/products of a similar structure or composition.

12. ECOLOGICAL INFORMATION

Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Not readily biodegradable (by OECD criteria).

Bioaccumulative potential

Bioaccumulation potential:

No data available concerning bioaccumulation

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:

No data available

Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (Persistent//bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

Additional information

Other ecotoxicological advice:

There is a high probability that the product is not acutely harmful to aquatic organisms. Do not discharge product into the environment without control. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Observe national and local legal requirements

Residues should be disposed of in the same manner as the substance/product.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom)

Contaminated packaging

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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 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

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.