

MACCAFERRI Safety Chart for the Materials (MSDS)

Revision: 01 Dated 31/03/2009

Products with Double Torsion Metallic Netting – Galfan Coating

1. Identification of the product and of the Manufacturer:

Products: Gabion Mattresses, Coil Bed spring

(made of double torsion metallic netting with Galfan Alloy coating)

Manufacturer: Maccaferri Workshops S.p.A.

**Via degli Agresti, 6
40123 Bologna – Italy**

2. Composition and product information:

The above products are made of double torsion netting composed with steel wires which have a low grade of carbon (UNI EN 10016) and coated with eutectic Alloy Zinc 95% Steel 5% Rare Soil (Cerium and Lanthanum) and Galfan (ASTM B750-03).

For more detailed information, please refer to the technical specifications:-
Technical Chart of the Product.

3. Hazard Identification

The steel of the wire and the Zinc coating do not cause any hazard to human health, the environment and safety as long as the product is handled according to the usual set regulations and by following the existing precautions in the matter of work and health safety.

4. First Aid Emergencies

Inhalation - not applicable

Ingestion - not applicable

In the event that the product comes in contact with the skin or the eyes, it is not harmful provided that the general safety precautions in the matter of handling and application of the specific material, even when using individual protective measures, are observed.

In case of skin rashes or eyes irritation, immediately consult a doctor.

5. Fire Safety

The product is not inflammable.

It is not necessary to avoid quenching devices.

6. Precautions in case of accidental release

The steel coated in Galfan Alloy is stable. It is not required to adopt any special measures.

7. Handling and storage

- Handling: the materials shall be handled by implementing proper and individual protective measures.
- Displacement: the systems contained in the product itself shall be displaced using proper lifting equipment and by observing the current law provisions in the matter of lifting loads.
- Storage: the materials shall be stored in a dry place and on flat surfaces.

8. Regarding exposure and protection to employees

When handling the products, it is recommended to wear protective gloves.

9. Physical and chemical properties of the main elements

Physical and mechanical properties:

Physical State of the solid wire – Physical state Solid Galvan

Chemical composition:

Wire: C ≤ 0.08 % Mn ≤ 0.65 % Si ≤ 0.30%

P ≤ 0.03 % S ≤ 0.03 %

Coating: Zn > 94% Al < 6%

Ce+La < 0.1% Cd < 0.005% P < 0.005%

10. Stability and possible reactions

The steel coated with Galvan is stable under normal atmospheric conditions. It can react with bases and acids.

11. Toxicological information

There are no harmful effects to humans.

12. Ecological information

There are no harmful effects to the environment.

13. Disposal measures

The disposal of the product must be treated as for metallic scraps, possible wastage must be discharged according to the current regulations in the matter of rubbish.

The residual of the wood crating, in cardboard and/or polyethylene membrane can be disposed through recycling as long as they are not contaminated and they are in accordance to the current law provisions.

14. Information on transport

The material supplied is not classified as dangerous to sell and to transport.

15. Ruling information

The provision 67/548/EEC (dangerous substances) does not mention the double torsion galvanized netting products as dangerous.

16. Other information

For safe installation of the products, it is necessary to follow all the instructions and precautions included in the Safety Plans listed within the specific workshop. The above information is correct, but should not be considered as comprehensive and shall be used as a reference only.

IMPORTANT

The information published in this safety chart is based on our actual knowledge and experience, and they refer only to our products.

The information herein contained describes the product based on safety requirements and is not a guarantee of quality. We cannot ensure that such information is sufficient and appropriate to apply to all situations – it is no substitute for the assistance of a physician who should be referred to in case of any doubt.

Therefore MACCAFERRI WORKSHOPS do not accept any responsibility for the action of purchasing companies which are not in compliance with the above information and for improper and wrongful usage of the product.

Maccaferri Workshops S.p.A.

Via Agresti, 6 – P.O. BOX 396 – 40123 Bologna (Italy)

Tel. (+39) 051-6436000 – Fax (+39) 051-236507

Email: comes@maccaferri.com – Web site: www.maccaferri.com

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