



R-PG 10/01

SAFETY DATA SHEET MAXGRIP

Issue date: 22.01.1999

Updated date: 17.10.2008

Updated number: 4

Reference: SDS 01104

1. Identification of the substance or preparation and identification of the company

Product data

Trade name: **MAXGRIP**

Use: Cement mortar for fixing and anchorage.

Identification of the company: DRIZORO, S.A.
 C/ Primavera nº 50 – 52
 Polígono Industrial las Monjas
 28850 – Torrejón de Ardoz (Madrid)
 Telf.: (34) 916766676

Telephone in case of emergency: (34) 916766676

Another emergency phone: National Institute of Toxicology: (34) 915620420

2. Composition / information of ingredients

Chemical characterization

Description: Cement mortar

Hazardous ingredients:

CAS Number	Name of the ingredients	Concentration	Warning symbol, R phrases and other data on the ingredients
CAS: 65997-15-1 (EINECS 266-043-4)	Portland cement	> 5 < 50 %	Symbol: Xi (Irritant) R phrases: R36/37/38 R43

Other information:



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3. Hazards identification

Product considered hazardous according to regulatory guidelines, (see section 15 on this safety data sheet).

Hazard description: Xi (irritant).

Main risks for human health and environment:

Irritating to eyes, respiratory tract and mucous membranes.

When mixed with water, present high pH: so it may cause irritation on the skin when prolonged contact periods and eyes injuries in case of projection.

In case of very large and repeated contact of the wet paste with the skin it may cause some sensitization to hexavalent chrome (Cr6+).

Cement has no particular risk to the environment provided that the considerations of sections 12 and 13 are observed.

4. First aid measures

Inhalation:

Move the patient to a well ventilated place. If breathing paralyzes or it is difficult, provide artificial respiration. If unconscious place in a suitable recovery position. Lean the victim's head. Keep covered with warm clothes while finding medical attention. People with respiratory problems if accidentally inhaled large amounts of cement, see a doctor.

Skin contact:

If the product is dry try to remove as much as possible and then rinse thoroughly with water. If the product is wet, remove the product and rinse immediately the affected area with water for 15 minutes at least. Remove stained clothes. If symptoms persist in the skin go to a doctor.

Eye contact:

Keep the eyelids apart and clean eyes immediately with plenty of water for 15 minutes at least. Consult an ophthalmologist.

Ingestion:

In case of accidental significantly ingestion, rinse the mouth and consult a doctor. Go immediately to a doctor and show this Safety Data Sheet. If there has been contact with the mouth, rinse just with plenty of water. The decision to induce vomiting or not will be based on medical criteria. Keep these affected by ingestion resting.

Notes for the doctor:

The treatment is based on the discretion of the doctor according to the reactions of the patient.



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5. Fire-fighting measures

Suitable extinguishing media:

In case of fire, the product does not limit the use of extinguish agents.

Extinguishing media which should not be used for safety reasons:

Special protective equipment for a fire:

Hazardous combustion products:

Non-flammable product.

Other instructions:

Retain expended liquids from fire fighting for later disposal.

6. Accidental release measures

Notification procedure:

In case of accidental spillage or leakage, notify the relevant Authorities in accordance with applicable rules.

Preventive measures concerning people:

Avoid powder spreads out. Do not breathe powder and avoid contact with skin and eyes.

Use protective clothing and gloves, boots and eyes protection (goggles with lateral fittings).

Environmental precautions:

Avoid product penetrates into the ground, sewer system or superficial and underground water streams.

Methods for cleaning up:

Do not clean the product sweeping or blowing. Use an appropriate method for powder. After setting, it can be evacuated as a piece of building scrap.



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7. Handling and storage

Handling:

The bulk handling should be conducted in an appropriate manner to avoid dispersion of powder.

Storage:

Keep away from children. Keep packages perfectly closed in a dry, cool and well ventilated place. Keep away from moisture.

8. Exposure controls / personal protection

Limit values for exposure:

Silica quartz TLV-TWA: 0.1 mg/m³ respirable powder

Portland cement .. .TLV-TWA: 10 mg/m³ total powder

Personal protection equipment

Respiratory protection:

Powder mask filter.

Hands protection:

Use waterproof gloves for use in aqueous mixtures.

Eyes protection:

Use goggles with lateral protection in case of risk for powder or wet spray.

Skin and body protection:

Use protective waterproof boots and clothing against spray of wet product. For knees it is recommended the use of waterproof knee pads.

Specific hygiene measures:

Provide good ventilation in places of storage, handling and use.



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9. Physical and chemical properties

Physical state: Powder**State / colour:** grey, white or pigmented**Odour:** Odourless.**PH:** Basic between 11 to 13,5**Boiling point / range, (°C):****Fusion point / range (°C):** > 1000 °C**Freezing point, (°C):****Breakdown temperature, (°C):****Flash point, (°C):****Flammability limits, (°C):****Autoignition temperature, (°C):****Explosion hazard:****Explosive limits upper:****Explosive limits lower:****Oxidising properties:****Vapour pressure, (mm Hg):****Relative density, (at 20 °C), (g/cc):****Water solubility:** In contact with water precipitates.**Viscosity, (cps):****Partition coefficient:** n-OCTANO/WATER**VOC concentration (g/l):** 0

10. Stability and reactivity

Stability:

Stable product. No danger reactions are known while storing and handling according to the common industrial practise.

Conditions to avoid:

On presence of humidity, causes cement setting.

Materials to avoid:**Hazardous decomposition products:**



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11. Toxicological information*Acute toxicity**Inhalation:*

Cement may cause irritations on respiratory tract.

Ingestion:

If ingested significantly, cement may cause irritation of the digestive tract and cause abdominal, oesophagus and stomach pain.

Skin and eyes:

Cement may irritate the wet skin since its aqueous solutions has a high pH. If it comes into contact with eyes, cement can cause conjunctivitis and cause damage to the eyeballs.

Information on corrosive and irritating effects:

The action of product on skin, respiratory ways and eyes may cause irritations.

Chronic effects and other:

Prolonged exposure without adequate protection for the skin (gloves) may cause irritation of the dermis. People predisposed to allergies can develop allergies to certain elements present in small traces in cement (hexavalent chromium)

*Sensitization:**Other information on health effects:*



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12. Ecological information

Mobility:

Ecotoxicity:

In the event of accidental spillage in water, a weak ascent of PH can take place. Once set it is a stable product that it fixes their compounds and it makes them insoluble.

Degradability:

Persistence and degradability:

Stay in the environment

Biodegradation:

Hydrolysis:

Photolysis:

Atmospheric oxidation:

Aquatic toxicity:

Avoid product penetrates into sewer system.

The product precipitates in contact with water as stable salts.

Other toxicity:

13. Disposal considerations

Can be disposed as other building residues and stored according to laws in force.

Avoid the product comes into sewer system, floor or any water stream.

14. Transport information

ADR/RID classification

Exempt

Sea transport, IMDG

Exempt

Air transport

Exempt



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15. Regulatory information**Information of the warning label:**

Letter code of the warning symbol and indications of danger for the preparation according to the EU:

Xi (Irritant)

Names of the ingredients given on the warning label:

Contains: Cement

R phrases

R 36/37/38 Irritating to eyes, respiratory system and skin.

R 43 May cause sensitization by skin contact.

S phrases

S2 (Keep away from children)

S24/25 (Avoid any contact with eyes and skin)

S26 (In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.)

S37/39 (Wear suitable gloves and eye/face protection.)

16. Other information

This product must be stored, handled and used on the basis of a good industrial hygiene, according to legislation in force. The information provided in this safety data sheet is based on our actual knowledge state and tries to describe our product from the point of view of safety requirements. It cannot perform as a guarantee of specific properties.

Data from supplier and bibliographic sources.