

1 Identification of the substance/preparation and of the company/undertaking

Product details

Trade name **maxit floor 4031**

Safety data sheet no.: XXP100013/1

Application of the substance / the preparation Construction chemicals

Manufacturer/Supplier:

maxit Building Products Ltd.

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2 Composition/information on ingredients

Chemical characterization

Description: Ready-mixed mortar with high alumina cement.

Dangerous components:

CAS: 65997-16-2 EINECS: 266-045-5	Calcium aluminate clinker		10 - 20%
CAS: 7778-18-9 EINECS: 231-900-3	calcium sulphate, natural		5 - 10%
CAS: 65997-15-1 EINECS: 266-043-4	cement grey	 Xi; R 38-41-43	5 - 10%

Additional information

The preparation is "low chromate" according to 2003/53/EEC so that the identification with R 43 is not applicable.

For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

Hazard description:



Xi Irritant

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36 Irritating to eyes.

Product has a strong alkaline reaction with water; therefore protect skin and eyes.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First aid measures

General information Immediately remove any clothing soiled by the product.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

Information for doctor None

5 Fire fighting measures

Suitable extinguishing agents

Use fire extinguishing methods suitable to surrounding conditions.

Protective equipment: Use methods suitable to surrounding conditions.

6 Accidental release measures

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Avoid formation of dust.

Ensure adequate ventilation.

Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Measures for cleaning/collecting: Pick up mechanically.

Additional information: See Section 13 for disposal information.

7 Handling and storage

Handling**Information for safe handling:**

Prevent formation of dust.

Provide suction extractors if dust is formed.

Information about fire - and explosion protection: No special measures required.

Storage**Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Information about storage in one common storage facility:

Do not store together with acids.

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from humidity and water.

8 Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

CAS No.	Designation of material	%	Type	Value	Unit
471-34-1 calcium carbonate					
OES ()	Long-term value: 10*4** mg/m ³				
	*total inhalable dust **respirable dust				
65997-15-1 cement grey					
OES ()	Long-term value: 10* 4** mg/m ³				
	*total inhalable dust **respirable dust				

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69012-64-2 amorphes Siliciumdioxid

MEL ()	Long-term value: 0.3 mg/m ³
OES ()	Long-term value: 6* 2.4** mg/m ³ *total inhalable dust **respirable dust

Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter P2.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile impregnated cotton gloves.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing.

9 Physical and chemical properties:

General Information

Form:	Powder
Colour:	According to product specification
Odour:	Characteristic

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point: Not applicable

Flammability (solid, gaseous): Product is not flammable.

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Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Vapour pressure:	Not applicable.
Density:	Not applicable.
Bulk density:	Not determined.
Solubility in / Miscibility with Water at 20°C:	1.5 g/l
pH-value at 20°C:	> 12.0 (DIN 19261) In water
Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.
Solvent content:	
Organic solvents:	0.0 %
Solids content:	100 %
Additional information:	None.

10 Stability and reactivity

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions: Reacts with light alloys in the presence of moisture to form hydrogen

Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity:
Primary irritant effect:
on the skin: Skin irritation possible due to drying effect.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological information:

Information about elimination (persistence and degradability):
Other information: The product is difficultly biodegradable.

Ecotoxicological effects:
Remark:

The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.

The product contains substances which causes severe clouding in water

Remark: The product causes a significant pH change. Neutralise before introduction.

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General notes:

Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

Product:**Recommendation**

Product hardens after adding water after 5 to 6 hours and can then be disposed of as building rubbish.

European waste catalogue

Possible waste code. The concrete waste code depends of the source of the waste.

10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 14	waste concrete and concrete sludge

Uncleaned packaging:**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Recommended cleaning agent:

Water, if necessary together with cleansing agents.
Thoroughly shake out sacks.

14 Transport information

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

ADR/RID-GGVS/E Class: -

Maritime transport IMDG/GGVSea:

IMDG/GGVSea Class: -

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

Transport/Additional information: Not dangerous according to the above specifications.

15 Regulatory information

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
Observe the general safety regulations when handling chemicals.

Code letter and hazard designation of product:

Xi Irritant

Hazard-determining components of labelling:

cement grey

Risk phrases:

36 Irritating to eyes.

Safety phrases:

2 Keep out of the reach of children.

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- 22 Do not breathe dust.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of water.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Special labelling of certain preparations:

Product has a strong alkaline reaction with water; therefore protect skin and eyes.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

- 38 Irritating to skin.
41 Risk of serious damage to eyes.
43 May cause sensitisation by skin contact.

Department issuing MSDS: Technical Department

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