

Material Safety Data Sheet

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

1 Identification of the substance/preparation and of the company/undertaking**Product details**Trade name Cerinol ES 4

Safety data sheet no.: 49PD10118/11

Application of the substance / the preparation Repair mortar

Manufacturer/Supplier:

maxit France s.a.s
 4 rue de Mulhouse
 Boîte Postale 27
 F-68180 Horbourg-Wihr
 Tel.: ++33(0)3 89 20 10 80
 FAX: ++33(0)3 89 20 10 92

Information in case of emergency:

maxit France s.a.s
 Tel.: ++33(0)3 89 20 10 80

2 Composition/information on ingredients**Chemical characterization**

Description: Ready-mixed mortar with Portland cement

Dangerous components:

14808-60-7	Siliciumdioxide (Quartzsand)		> 50%
65997-15-1	cement grey	 Xi; R 38-41-43	10 - 25%
68131-74-8	Aschen (Rückstände)		2 - 5%

Additional information

The preparation is "low chromate" according to 2003/53/EEC up to the best-before date, 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 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

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

Classification system:

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

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4 First aid measures**General information**

Immediately remove any clothing soiled by the product.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

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.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Rinse liquid should be tempered (20-30°C).

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 clothing.

Ensure adequate ventilation.

Avoid formation of dust.

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:**

Hardens 5 to 6 hours after contact with water and can then be disposed of as building rubbish.

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:

Store away from foodstuffs.

Do not store together with acids.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from humidity and water.

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Recommended storage temperature: 5-30°C.

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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:****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:**

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.

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.

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

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

Material of gloves

Rubber 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:	Grey
Odour:	Odourless

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

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Flash point:	Not applicable
Flammability (solid, gaseous):	Product is not flammable.
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 at 20°C (68°F):	1750 kg/m3
Solubility in / Miscibility with Water at 20°C (68°F):	1,5 g/l Zement
pH-value at 20°C (68°F):	>12,5 (DIN 19261) In water
Viscosity:	
dynamic:	Not applicable.
kinematic:	Not applicable.
Solvent content:	
Organic solvents:	0,0 %
Solids content:	100,0 %
Additional information:	None.

10 Stability and reactivity**Thermal decomposition / Conditions to be avoided:**

No decomposition if used according to specifications.

Dangerous reactions:

Reacts with acids

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:** Irritant to skin and mucous membranes.**on the eye:** Strong irritant with the danger of severe eye injury.**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.**Ecotoxicical effects:****Remark:**

The product contains substances which causes severe clouding in water

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

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

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:** -**Description of goods:** -**Contains:** -**Maritime transport IMDG/GGVSea:****IMDG/GGVSea Class:** -**Marine pollutant:** No**Proper shipping name:** -**Contains:** -**Air transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:** -**Packaging group:** -**Packing instructions Passenger:** -**Packing instructions cargo:** -**Proper shipping name:** -**Contains:** -**Transport/Additional information:** Not dangerous according to the above specifications.**15 Regulatory information****Labelling according to EU guidelines:**

The product has been marked in accordance with EU Directives / respective national laws.

Observe the general safety regulations when handling chemicals.

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Code letter and hazard designation of product:



Xi Irritant

Hazard-determining components of labelling:

cement grey

Risk phrases:

38 Irritating to skin.

41 Risk of serious damage to eyes.

Safety phrases:

2 Keep out of the reach of children.

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 from corrosive properties.

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: Product safety department

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* Data compared to the previous version altered.