

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 ST

Safety data sheet no.: 49PD10143/6

Application of the substance / the preparation Concrete/mortar - admixtures

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:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

1344-09-8	Silicic acid, sodium salt	 Xi; R 37/38-41	> 50%
1310-73-2	sodium hydroxide	 C; R 35	1 - 2%

Additional information 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 37/38 Irritating to respiratory system and skin.

R 41 Risk of serious damage to 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.

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

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

(Contd. on page 2)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

Trade name Cerinol ST

(Contd. of page 1)

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 and then drink plenty of water.
Call a doctor immediately.

5 Fire fighting measures

Suitable extinguishing agents

Use fire extinguishing methods suitable to surrounding conditions.

Protective equipment: Alkali resistant protective clothing.

6 Accidental release measures

Person-related safety precautions: Wear protective clothing.

Measures for environmental protection:

Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

7 Handling and storage

Handling

Information for safe handling: Keep receptacles tightly sealed.

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

Storage

Requirements to be met by storerooms and receptacles:

Store in a cool location.
Store only in the original receptacle.

Information about storage in one common storage facility: Do not store together with acids.

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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

Te 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.

(Contd. on page 3)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

Trade name Cerinol ST

(Contd. of page 2)

Use a moisturising skin cream after processing the product.

Respiratory protection: Not required.

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 Rubber gloves

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: Fluid
Colour: Light red
Odour: Characteristic

Change in condition

Melting point/Melting range: 0°C (32°F) (DIN ISO 3016 .íþýÃp¹ D|üý)

Boiling point/Boiling range: 100°C (212°F) (DIN)

Flash point: Not applicable

Ignition temperature: Not applicable

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Density at 20°C (68°F): 1,32 g/cm³ (DIN 51757)

Bulk density: Not applicable.

Solubility in / Miscibility with

Water: Fully miscible

pH-value at 20°C (68°F): >10,5 (DIN 19261)

Viscosity:

dynamic: Not determined.

kinematic: Not determined.

Solvent separation test: Not applicable.

Solvent content:

Organic solvents: 0,0 %

Additional information: None.

10 Stability and reactivity

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions:

Reacts with metals forming hydrogen

(Contd. on page 4)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

Trade name Cerinol ST

(Contd. of page 3)

Exothermic reaction with acids

Dangerous decomposition products: No dangerous decomposition products known.**11 Toxicological information****Acute toxicity:****LD/LC50 values relevant for classification:**

Components	Type	Value	Species
1310-73-2 sodium hydroxide			
Oral	LD50	2000 mg/kg	(rat)

Primary irritant effect:**on the skin:** Irritant to skin and mucous membranes.**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

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

12 Ecological information:**Ecotoxicological effects:****Aquatic toxicity:**

Type of test	Effective concentration	Method	Assessment
1310-73-2 sodium hydroxide			
LC50/48h	133 mg/l	(fish)	
LC50/96h	72 mg/l	(fish)	

General notes:

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

13 Disposal considerations**Product:****Recommendation** Must be specially treated adhering to official regulations.**Waste disposal key:**

The classification in a waste code according to the European waste catalogue (EWC) is to be made in accordance with the regional responsible for waste disposal

Uncleaned packaging:**Recommendation:**

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

Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary together with cleansing agents.

EU

(Contd. on page 5)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

Trade name Cerinol ST

(Contd. of page 4)

14 Transport information**Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)****ADR/RID-GGVS/E Class:** 8 (C5) Corrosive substances.**Danger code (Kemler):** 80**UN-Number:** 1719**Packaging group:** II**Hazard label** 8**Description of goods:** 1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)**Maritime transport IMDG/GGVSea:****IMDG/GGVSea Class:** 8**UN Number:** 1719**Label** 8**Packaging group:** II**EMS Number:** F-A,S-B**Marine pollutant:** No**Proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)**Air transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:** 8**UN/ID Number:** 1719**Label** 8**Packaging group:** II**Proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)**15 Regulatory information****Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xi Irritant

Risk phrases:

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

Safety phrases:

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

(Contd. on page 6)

Material Safety Data Sheet

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

Trade name Cerinol ST

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
60 This material and its container must be disposed of as hazardous waste.

(Contd. of page 5)

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

- 35 Causes severe burns.
37/38 Irritating to respiratory system and skin.
41 Risk of serious damage to eyes.

Department issuing MSDS: Product safety department

Contact: Mr Gilles Weber, Tel.: ++33(0)3 89 20 10 93

*** Data compared to the previous version altered.**

EU