

Material Safety Data Sheet

According to 91/155 EEC

Printing date 16.12.2005

Reviewed on 16.12.2005

Trade name: PCI Nanolight Rapid

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Protective equipment: No special measures required.

6 Accidental release measures

Person-related safety precautions: Avoid formation of dust.

Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting:

Pick up mechanically.

Ensure adequate ventilation.

7 Handling and storage

Handling

Information for safe handling:

Prevent formation of dust.

Avoid skin contact.

Information about protection against explosions and fires: No special measures required.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep receptacle tightly sealed.

Store in dry conditions.

Storage class

Class according to regulation on flammable liquids: Void

8 Exposure controls and personal protection

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

Components with limit values that require monitoring at the workplace:

65997-15-1 Cement, portland, chemicals

WEL Long-term value: $10 \cdot 4^{**}$ mg/m³

Additional information: The lists that were valid during the creation were used as basis.

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.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Recommended filter device for short term use: Filter P2

Protection of hands: Protective gloves.

Material of 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.

9 Physical and chemical properties:

General Information

Form: Powder

Colour: Grey

Odour: Odourless

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Change in condition

Melting point/Melting range: Undetermined
Boiling point/Boiling range: Undetermined
Flash point: Not applicable
Density at 20°C: 1.8 g/cm³
Bulk density at 20°C: 800-1200 kg/m³
Solubility in / Miscibility with Water: Insoluble, reacts with water.

10 Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Materials to be avoided:

Dangerous reactions No dangerous reactions known

Dangerous products of decomposition: 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.

Sensitization: No sensitizing effects known.

Additional toxicological information:

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:

Irritant

12 Ecological information:

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

Product:

Recommendation

Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

European waste catalogue:

17 01 01: concrete

17 01 07: mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06 (3) For the purpose of this entry, transition metals are: scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum. These metals or their compounds are dangerous if they are classified as dangerous substances. The classification of dangerous substances shall determine which among those transition metals and which transition metal compounds are hazardous. 16.2.2001 L 47/25 Official Journal of the European Communities EN

Uncleaned packagings:

Recommendation: Non contaminated packagings can be treated like household garbage.

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14 Transport information

Transport/Additional information: Not dangerous according to the ADR/RID and IMDG specifications.

15 Regulations

Markings 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

Hazard-determining components of labelling:

Cement, portland, chemicals

Risk phrases:

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

Safety phrases:

22 Do not breathe dust.

24 Avoid contact with skin.

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

37 Wear suitable gloves.

Special labelling of certain preparations:

Contains less than 2 mg water soluble chromate per kg of cement.

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.

Changes are marked with *.

Relevant R-phrases

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

Department issuing MSDS: Environment protection department.

Contact: Mr. Svend Aage Mikkelsen, Degussa CC Denmark A/S. +45 74661511