



SAFETY DATA SHEET RENDEROC LA

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NO.	2209004UK1
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2 HAZARDS IDENTIFICATION

Irritating to respiratory system and skin. Risk of serious damage to eyes.

CLASSIFICATION (1999/45) Xi;R37/38, R41.

ENVIRONMENT

In the presence of water the product hardens to a solid mass which is not biodegradable.

HUMAN HEALTH

Dust or splashes from the mixture may cause permanent eye damage. Dust may irritate throat and respiratory system and cause coughing. Dust has an irritating effect on moist skin. Prolonged contact with wet cement/mixture may cause burns. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
ORDINARY PORTLAND CEMENT	266-043-4	65997-15-1	10-30%	Xi;R37/38,R41. R43.
GROUND GRANULATED BLASTFURNACE SLAG (GGBS)		65996-69-2	10-30%	Xi;R36/38.

The Full Text for all R-Phrases is Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.

INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Do not rub eye. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

PROTECTIVE MEASURES IN FIRE

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6 ACCIDENTAL RELEASE MEASURES

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PERSONAL PRECAUTIONS

Avoid inhalation of dust. Use work methods which minimize dust production. Avoid contact with eyes and prolonged skin contact. For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities. Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

For waste disposal, see section 13. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Observe good chemical hygiene practices. Avoid spread of dust. Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact. Mechanical ventilation may be required. Change contaminated clothing.

STORAGE PRECAUTIONS

To be stored out of reach of children in its original packaging in a dry place. The product contains less than 2 mg chromate/kg dry cement, and this limit will not be exceeded for 12 months from the packing date stated on the packaging. Seal opened containers and use up as soon as possible

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
CALCIUM CARBONATE - LIMESTONE (6mm)	WEL	4 mg/m ³		
CALCIUM SULPHO-ALUMINATE CEMENT		10 mg/m ³		
ORDINARY PORTLAND CEMENT	WEL	4 mg/m ³		
SILICA SAND	WEL	0,1 mg/m ³		

WEL = Workplace Exposure Limit.

TLV - Threshold Limit Value

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

This product contains silica sands.

The grain size distribution of silica sand present means that it is not classified as hazardous.

However, any respirable crystalline dust generated by secondary processing may cause health effects.

Prolonged and /or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis.

Principal symptoms of silicosis are cough and breathlessness.

Occupational exposure to respirable crystalline silica dust should be monitored and controlled

ENGINEERING MEASURES

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

RESPIRATORY EQUIPMENT

Dust mask/respirator.

Use respiratory equipment with particle filter, type P2.

(EN 149)

HAND PROTECTION

Wear protective gloves. PVC or rubber gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. If signs of wear and tear are noticed then the gloves should be replaced.

EYE PROTECTION

Wear goggles/face shield. (conform EN 166)

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

Change contaminated clothing. When using do not eat, drink or smoke.

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PERSONAL PROTECTION

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. This product may present a chromate (VI) allergy risk. It contains a chromate reducing agent, but users should wear appropriate personal protective equipment.

ENVIRONMENTAL EXPOSURE CONTROLS

Not available

9 PHYSICAL AND CHEMICAL PROPERTIES

<u>APPEARANCE</u>	Powder, dust
<u>COLOUR</u>	Grey
<u>ODOUR</u>	Odourless
<u>SOLUBILITY</u>	Miscible with water
<u>RELATIVE DENSITY</u>	1.50
<u>pH-VALUE, CONC. SOLUTION</u>	12

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions. When stored under humid conditions, the chromate neutralization will decrease. This product contains a chromate reducing agent to reduce the risk of allergic dermatitis caused by chromium (VI). This product has a shelf life. If not stored in accordance with packaging instructions (sealed and dry), there is an increased risk of the presence of hexavalent chromate leading to an increased risk of an allergic reaction. The product will harden into a hard mass in contact with water and moisture.

CONDITIONS TO AVOID

Water, moisture.

MATERIALS TO AVOID

Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

INHALATION

Dust may irritate throat and respiratory system and cause coughing.

INGESTION

Not likely, due to the form of the product. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

SKIN CONTACT

Dust has an irritating effect on moist skin. Prolonged contact with wet cement/mixture may cause burns.

EYE CONTACT

Dust or splashes from the mixture may cause permanent eye damage. Immediate first aid is necessary.

SPECIFIC EFFECTS

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be hazardous to the environment.

MOBILITY

The product is not volatile but may be spread by dust-raising handling.

DEGRADABILITY

The product is not biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Note that fully cured material is not considered as hazardous waste.

WASTE CLASS

Waste from residues: 17-09-03

14 TRANSPORT INFORMATION

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<u>GENERAL</u>	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
<u>ROAD TRANSPORT NOTES</u>	Not Classified
<u>RAIL TRANSPORT NOTES</u>	Not classified.
<u>SEA TRANSPORT NOTES</u>	Not classified.
<u>AIR TRANSPORT NOTES</u>	Not classified.

15 REGULATORY INFORMATION**LABELLING**

Irritant

CONTAINS

ORDINARY PORTLAND CEMENT

RISK PHRASES

R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.

SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
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.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

CHIP for everyone HSG(108).

NATIONAL REGULATIONS

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

16 OTHER INFORMATION**GENERAL INFORMATION**

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

REVISION DATE 25/07/2010

REV. NO./REPL. SDS 3

GENERATED**RISK PHRASES IN FULL**

R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.

DISCLAIMER

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.