Safety Data Sheet

Lime pellets

1. Identification of the substance and manufacturer

Chemical name of the substance:
Calcium carbonate

Trade name:
Aquakal, Lime pellets (synonyms: marble pellets: precipitated calcium carbonate, calcite pellets, limestone pellets, softening pellets)

EC nr: 207-439-9; **CAS nr:** 471-34-1

REACH nr: 01-2119486795-18-xxx
The full registration numbers of individual manufacturers are available at www.aquaminerals.com

Uses of the substance:
Steel industry, glass production, building materials, road-building, energy generation from fossil fuels, (ground)floor insulation, fertiliser, litter for cubicles, mineral raw material in the lime industry.

Identification of the distributor of the substance:
AquaMinerals B.V. (Supplier)

Origin of lime pellets:
The substance is a product of the softening of drinking water using the crystallisation process.

Telephone number in case of emergency:
European emergency number: 112

2. Hazards

The substance is not classified as hazardous under the CLP regulations.
Because of the round shape of the substance, there is a danger of slippage when it is spilled on a hard underground.

3. Composition/information on ingredients

Main ingredient: Calcium carbonate

Composition (percentage by weight based on dry substance):

$CaCO_3$	:	85	-	100%
Inert (sand)	:	<0.1	-	15%
Fe	:	<0.1	-	0.75%
Al	:	<0.1	-	0.3%
Mg	:	<0.1	-	0.2%
Mn	:	<0.1	-	0.3%
Moisture content	:	<1	-	5%

4. First-aid measures

Under normal use: N/a

Other measures:

Ingestion:	In very large quantities, consult doctor
Inhalation:	N/a
Skin contact:	N/a
Eye contact:	Rinse with water; consult doctor

5. Fire-fighting measures

Lime pellets are non-combustible. All commonly available extinguishing media can be used.

6. Accidental release measures

If spilled on hard underground, immediately remove substance to prevent possible slippage.
Avoid contact with acids

7. Handling and storage

Handling:	No special measures.
Storage:	Store preferably in bunker/silos or by stock-piling using retention walls. Store separately from acids.

8. Exposure controls/personal protection

None

9. Physical and chemical properties

Physical state:	Pellets
Colour:	White or reddish brown
Odour:	Neutral
Melting point ($CaCO_3$):	Decomposes at T > 450°C
Relative density:	2.7- 2.95 gr/cm^3
Water solubility:	0.0166 gr/l at 20°C
pH (dissolved)	7-9 in a saturated $CaCO_3$ solution at 25°C
Reaction with acid:	Soluble with release of CO_2.

10. Stability and reactivity

Stability: the substance is stable.
Reactivity: the substance reacts with acids giving off CO_2, which in closed spaces can replace/push out the air.
At higher temperatures (> 450°C) the substance can decompose giving off CO_2.

11. Toxicological information

The substance is not toxic.

Detailed information is contained in the Safety Data Report: Calcium Carbonate. This document is available on request from AquaMinerals.

12. Ecological information

The substance is not ecotoxic.

Detailed information is contained in the Safety Data Report: Calcium Carbonate. This document is available on request from AquaMinerals.

13. Disposal considerations

Dispose according to national regulations for non-hazardous, non-combustible substances.

14. Transport information

Transport according to national, European (EU) and international (OECD, ADR, IMDG, IATA) regulations for non-hazardous substances.

15. Regulatory information

The substance is not classified as hazardous according to (EG) No 1272/2008 (CLP).
This Safety Data Sheet is not legally required but a service to downstream users.

16. Other information

Modifications in this version.
This is version 2 since the REACH registration.

Need more information?:

Detailed information is contained in the Safety Data Report: Calcium Carbonate. This document is available on request from AquaMinerals.

Disclaimer

The above information presents the safety data for the product calcium carbonate. All the information is based on current knowledge. The information is intended as a guideline for safely managing this product, as well as its storage, processing, transport and disposal. Modifying the information or using it for other products is prohibited. Mixing, grinding and/or processing calcium carbonate with other products might render this information no longer entirely applicable to the new material. The user is responsible for taking the necessary precautionary measures, as well as for ensuring that the information is complete and sufficient for the safe use of this product.

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