

Material Safety Data Sheet

Lime products

According to EC Regulation 1272/2008 and 547/2011 (CLP)

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

1.1 Identification of the substance:

Lime – Bio-Lime
(product form natural origin - mining)

1.2 Use of the preparation:

Soil amendment to increase the pH level (de-acidification of the soil)

1.3 Company identification:

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2. RISKS

Not a hazardous product.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

hazardous ingredients	CAS-nr	concentration	hazard symbol	R-sentences
<i>no hazardous ingredients</i>	-	-	-	-

4. FIRST AID MEASURES

In case of inhalation: in case of dust inhalation remove into fresh air.

In case of swallowing: drink water. Consult doctor in case of nausea or ache.

In case of skin contact: wash with plenty of water and soap.

In case of eye contact: rinse with clear water away from the affected eye.
Consult a doctor when irritation remains.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:
CO₂, foam, water

5.2 Extinguishing media which shall not be used for safety reasons:
none

5.3 Special exposure hazards:
unknown

5.4 Special protective equipment for fire-fighters:
respiratory mask

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions:
wash hands after spilling. Avoid inhalation of dust and avoid contact with eyes.

6.2 Environmental precautions:
sweep or scoop up and collect for disposal. Flush area with lots of water. Avoid contamination of streams and waterways.

6.3 Methods for cleaning up:
collect product leftover and use as chalk

7. HANDLING AND STORAGE

7.1 Handling:

no special precautions needed.

7.2 Storage:

store in a dry place. Keep away from chemicals. Keep in original closed package.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Exposure limit values:

no extra information

8.2 Exposure controls:

none

8.2 Measurement procedures:

none

8.4 Personal protection

Respiratory protection: none (use in open air)

Hand protection: none (use gloves in case of a sensitive skin)

Eye protection: none (avoid the eyes to get in contact with dust)

Skin protection: none (wash with water and soap in case of contact with skin)

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Appearance : grey to white color – powder of granules

9.2. Odour : light

9.3. pH (concentrated) : n.a.

pH (10 %-water solution) : > 9

9.4. Boiling point : n.a.

9.5. Melting point : n.a.

9.6. Flash point : n.a.

9.7. Flammability (solid, gas): not under normal circumstances

9.8. Auto-ignition temperature: not known

9.9. Explosive properties: none

9.10. Oxidising properties: do not mix with reactive compounds

9.11. Vapor pressure : n.a.

9.12. Specific gravity : +/- 1200 g/L

9.13. Solubility :

- in water : partly water soluble.
- in fat : not known

9.14. Partition coefficient: n-octanol / water: not known

9.15. Vapour density: not known

10. STABILITY AND REACTIVITY

10.1. Stability :

stable under normal conservation conditions.

10.2. Conditions to avoid:

avoid humid conservation circumstances.

10.3. Materials to avoid:

avoid reactive products and strong acid or alkaline agents.

10.4. Hazardous decomposition products:

not known

11. TOXICOLOGICAL INFORMATION

11.1. Symptoms of exposure :

In case of eye contact: irritation.

In case of skin contact: lightly irritating in case of sensitive skin

In case of inhalation: irritation

In case of swallowing: stomach ache, nausea

11.2. Carcinogenic : n.a.

11.3. Toxicity :

- Oral (LD-50 rat) : n.a.
- Dermal (LD-50 rabbit) : n.a.
- Inhalation (LC-50 4h) : n.a.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

influences the pH and hardness of water

12.2 Environmental effects :

deacidifying; influences the pH

12.3 Persistence and degradability:

mineral decomposition and uptake of Ca by plants

12.4 Bioaccumulative potential:

none

13. DISPOSAL CONSIDERATIONS

13.1. Product : exclusively to be used as lime.

13.2. Package : waste material should be dumped under condition which meet all federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

14.1. Product Identification Number (UN number) : -

14.2. Truck ADR/RID : -

14.3. Cargo by sea IMDG : -

14.4. Cargo by air IATA/ICAO : -

15. REGULATORY INFORMATION

15.1. Label : lime

Hazard symbol : none

Ingredients : natural lime

H sentences : none

P/EUH sentences : none

15.2. EINECS number : -

15.3. Special remarks : -

16. OTHER INFORMATION

This information is given without warranty, express or implied, about product quality and product effects, except that it is accurate to the best knowledge of the company.

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