

EC Safety Data Sheet according to 91/155/EEC

Lithovit CO₂ foliar fertilizer for outdoor use

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

- 1.1 Identification of the substance / preparation: Lithovit CO₂ foliar fertilizer for outdoor use
- 1.2 Use of the substance / preparation: Natural CO₂ foliar fertilizer for all field crops, grassland, field fodder crops, intensive cultivation, horticulture and forestry
- 1.3 Company placing the substance/preparation on the EC market (manufacturer/importer/distributor): zeovita GmbH
Telephone: +49 (0)3774-1527411
Fax: +49 (0)3774-1527200
E-mail: info@zeovita.com
Technical contact point: zeovita, Quality Management
Tel. +49 (0)3774-1527411
- 1.4 Emergency telephone number: 19222 (nationwide Germany)

2. COMPOSITION / INFORMATION ON INGREDIENTS

- 2.1 Chemical nature:
- Name: Calcium carbonate from natural limestone deposits with micro-nutrients – readily soluble
- CAS No.: 471-34-1
- EINECS NO.: 207-439-9
- Composition: 84,5% CaCO₃ - calcium carbonate
4.60% MgCO₃ - magnesium carbonate
7,60% SiO₂ – silicon dioxide
0,75% Fe - iron
166 mg/kg Mn - manganese
- Hazardous contaminants: Not applicable
- 2.2 Additional notes: Not applicable

3. HAZARDS IDENTIFICATION

- 3.1 Classification: Not applicable
- 3.2 Information on additional hazards to man and the environment: No hazards known if properly applied.

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4. FIRST AID MEASURES

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|-----|--|----------------------|
| 4.1 | General information: | Not applicable |
| 4.2 | After inhalation: | Not applicable |
| 4.3 | After skin contact: | Not applicable |
| 4.4 | After ingestion: | Not applicable |
| 4.5 | After eye contact: | Wash away with water |
| 4.6 | Advice to doctor (symptoms, dangers, treatment): | Not applicable |
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5. FIRE-FIGHTING MEASURES

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|-----|-------------------------------|----------------------------|
| 5.1 | Suitable extinguishing media: | Product is non-combustible |
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6. ACCIDENTAL RELEASE MEASURES

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| 6.1 | Personal precautions: | Avoid creating dust |
| 6.2 | Environmental precautions: | Not applicable |
| 6.3 | Methods for cleaning up: | To be taken up mechanically (whether dry or wet) |
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7. HANDLING AND STORAGE

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|-------|--|---------------------|
| 7.1 | Handling: | |
| 7.1.1 | Information for safe handling: | Avoid creating dust |
| 7.2 | Storage: | |
| 7.2.1 | Conditions to be met by storage rooms and vessels: | Not applicable |
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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|-----|--|----------------|
| 8.1 | Components with limit values that require monitoring at the place of work: | Not applicable |
| 8.2 | Limitation and monitoring of exposure at the place of work: | Not applicable |
| 8.3 | Personal protective equipment: | |

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8.3.1	Respiratory equipment:	e.g. particulate filtering half mask or particulate filter P1-P3 as per BGR 190, ("Rules for the use of breathing apparatus" of the Central Federation of Industrial Insurance Funds)
8.3.2	Hand protection:	Not applicable
8.3.3	Eye protection:	Not applicable
8.3.4	Skin protection:	Not applicable
8.3.5	Limitation and monitoring of environmental exposure:	Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance:	
	Physical state:	Powdery
	Colour:	Grey
	Odour:	Odourless
9.2	Safety-relevant data:	
	Change in physical state:	Decomposes at 900° C (into CaO and CO ₂)
	Flash point:	Not applicable
	Flammability:	Not applicable
	Explosive properties:	Not applicable
	Vapour pressure:	Not applicable
	Relative density:	T = 20 °C 2.71 g/cm ³
	Bulk density:	T = 20 °C 1.00 g/cm ³
	Water solubility:	T = 20 °C 16 mg/l
	pH value in saturated solution:	T = 20 °C 8 – 10

10. STABILITY AND REACTIVITY

10.1	Conditions to avoid:	Not applicable
10.2	Materials to avoid:	Not applicable
10.3	Hazardous decomposition products:	Not applicable

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11. TOXICOLOGICAL INFORMATION

11.1 Toxicological tests:

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|---|----------------|
| 11.1.1 Acute toxicity: | Not applicable |
| 11.1.2 Specific symptoms in animal experiments: | Not applicable |
| 11.1.3 Irritative effect / causticity: | Not applicable |
| 11.1.4 Sensitization: | Not applicable |
| 11.1.5 Sub-acute to chronic toxicity: | Not applicable |

11.2 Practical experience:

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|---|----------------|
| 11.2.1 Observations relevant to classification: | Not applicable |
| 11.3 General remarks: | Not applicable |

12. ECOLOGICAL INFORMATION

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| 12.1 General notes: | Not applicable |
| 12.2 Other remarks: | Suitable for use in the organic production of agricultural products as per Council Regulation (EEC) No. 2092/91 |

13. DISPOSAL CONSIDERATIONS

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| 13.1 Product: | Take up mechanically; remains usable |
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14. TRANSPORT INFORMATION

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| 14.1 Transport by land (ADR/RID/GGVSE): | Not classified as hazardous |
| 14.2 Transport by sea (IMDG Code/GGVSee): | Not classified as hazardous |
| 14.3 Transport by air (ICAO-IATA/DGR): | Not classified as hazardous |

15. REGULATORY INFORMATION

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|---|----------------|
| 15.1 EC regulations: | Not applicable |
| 15.1.1. Symbol and hazard classification: | Not applicable |
| 15.1.2. R phrases: | Not applicable |
| 15.1.3. S phrases: | Not applicable |
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15.2 National regulations:

15.2.1. Notes on employment restrictions:	Not applicable
15.2.2. Accidents Ordinance:	Not applicable
15.2.3. Water pollution hazard class:	Not applicable
15.2.4. Air pollution regulations (TA-Luft):	Not applicable

16. OTHER INFORMATION

16.1 Further information:	Information contained in this data sheet is based on the manufacturer's current knowledge. It does not represent a contractual warranty of any quality characteristics of the product.
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