

Safety data sheet iaw directive 91/155/EEC

Name of the substance: Provcacal®

date of print:

revised on: 29.10.2002

page 1/3

1	Identification of the substance and of the company	
1.1	Substance identification	Calcium carbonate, limestone, CaCO ₃ .
	Name of the substance	Ferticarb®
1.2	Use of the substance	
1.2.1	Intended or recommended use	
1.3	Company identification	
1.3.1	Company	Calcis Lienen GmbH & Co. KG
	Address	Holperdorper Straße 47
	Country code/ post code/ town	49536 LIENEN, GERMANY
	Telephone	0049 – 54 83 – 73 92 – 0
	Fax	0049 – 54 83 – 73 92 – 92
1.3.2	Inquiry department	central laboratory Lienen, Mr. Lutter
	Telephone	0049 - 54 83 – 73 92 - 0
1.3.3	In an emergency	
	Telephone	112
2	Composition/information on ingredients	
2.1	Chemical characterisation	
2.1.1	CAS-No.	471-34-1
2.1.2	Name (ref. to EEC-directive)	Calcium carbonate, limestone, CaCO ₃ .
2.1.3	Symbol	Not applicable.
2.1.4	R-phrases	Not applicable.
2.1.5	EINECS-No.	207-439-9
2.1.6	Additional remarks	The chemical characterisation is applicable for both limestone granules and limestone powder.
3	Hazards identification	
3.1	Indication of hazard	Not applicable.
3.2	Critical hazards to man	Not applicable.
4	First aid	
4.1	Inhalation	Not applicable.
4.2	Skin contact	Not applicable.
4.3	Eye contact	Wash affected area with water.
4.4	Notes for the doctor	Not applicable.
5	Fire preventing measures	
5.1	Fire fighting procedure	Product is not flammable.
6	Accidental release measures	
6.1	Personal precautions	Keep dust levels to a minimum, ensure that sufficient ventilation or suitable respiratory protective equipment is used (s. heading 8).
6.2	Environmental precautions	Not applicable.
6.3	Methods for cleaning up	Pick up the product mechanically in a dry way.

Safety data sheet iaw directive 91/155/EEC

Name of the substance: Provcac®

date of print:

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page 2/3

7	Handling and storage			
7.1	Handling			
7.1.1	Precautions for safe handling			Keep dust levels to a minimum.
7.2	Storage			
7.2.1	Conditions for safe storage			Not applicable.
8	Exposure controls / personal protection			
8.1	Occupational exposure limit:			
8.1.1	CAS-No.			471-34-1
8.1.2	Name of the substance			Calcium carbonate, limestone
8.2	Limit values of concentration in air			
8.2.1	Dust limit value			3 mg/m ³ (A)
8.3	Recommended individual protection			
8.3.1	Respiratory organs			e.g. particle-filtering half mask or particle filter P1-P3, BGR 190 "rules for the use of respiratory protective equipment", Main Association of the Industrial Employers' Liability Insurance Associations (BG).
8.3.2	Hand protection			Not required.
8.3.3	Eyes protection			Not required.
8.3.4	Body protection			Not required.
8.3.5	General safety and hygiene measures			Not required.
9	Physical and chemical properties			
9.1	Appearance			
9.1.1	Consistence			Powder, granules.
9.1.2	Colour			White to beige.
9.1.3	Smell			Odourless.
9.2	Safety-related data		value/range	unit
9.2.1	Fusion point	Decomposition	900	°C (CaO and CO ₂).
9.2.2	Flash point			Not applicable.
9.2.3	Flammability			Not applicable.
9.2.4	Explosion danger			Not applicable.
9.2.5	Steam pressure			Not applicable.
9.2.6	Specific weight	T = 20 °C	2,74	g/cm ³ .
9.2.7	Bulk density	T = 20 °C		g/cm ³ .
9.2.8	Solubility (in water)	T = 20 °C	16	mg/l.
9.2.9	pH (in saturated solution)	T = 20 °C	7-9.	
9.2.10	Partition coefficient			Not applicable.
10	Stability and reactivity			
10.1	Conditions to avoid			Not applicable.
10.2	Materials to avoid			Not applicable.

Safety data sheet law directive 91/155/EEC

Name of the substance: Provcacal®

date of print:

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page 3/3

11	Toxicological information	
11.1	Toxicological tests	
11.1.1	Acute toxicity	Not applicable.
11.1.2	Specific symptoms in animal experiments	Not applicable.
11.1.3	Irritation/corrosiveness	Not applicable.
11.1.4	Additional remarks	Not applicable.
11.2	Practical experience	
11.2.1	Long term exposure	Not applicable.
12	Ecological information	
12.1	Persistence and degradation	Not applicable.
12.2	Bioaccumulative potential	Not applicable.
12.3	Additional remarks	Not applicable.
13	Disposal considerations	
13.1	Product	
13.1.1	Comment	Further use possible if picked up in a dry way.
14	Transport Information	
14.1	Overland transport ADR/RID and GGVS/GGVE	Not classified.
14.2	Inland shipment ADN/ADR	Not classified.
14.3	Overseas shipment IMDG/GGVSea	Not classified.
14.4	Transport by air ICAO-TI and IATA-DGR	Not classified.
15	Regulatory information	
15.1	Labelling according to EEC-Directives	
15.1.1	Symbol and classification of the substance	Not applicable.
15.1.2	R-Phrases	Not applicable.
15.1.3	S-Phrases	Not applicable.
15.2	National regulations	
15.2.1	Restriction to employment	Not applicable.
15.2.2	Regulation on accident (StörfallIV)	Not applicable.
15.2.3	Regulation on accident (VbF)	Not applicable.
15.2.4	German technical instruction on air pollution control (TA Luft)	Not applicable.
15.2.5	Water endangering class	Not endangering to water.
15.2.6	Any other rules, restrictions and prohibiting regulations	Principles of occupational medicine, BG rules of practice, and others.
16	Other information	
16.1	Further information	The indications made in the safety data sheet reflect the state of knowledge of the producer/ supplier. They are no contractual assurance of quality properties of the product.
16.2	Department issuing data sheet	
16.3	Person to contact:	central laboratory Lienen, Mr. Lutter phone: 0049 - 54 83 - 73 92 - 0

Safety data sheet iaw directive 91/155/EEC

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page 4/3