

# Safety data sheet iaw directive 91/155/EEC

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<b>1</b>	<b>Identification of the substance and of the company</b>	
<b>1.1</b>	<b>Substance identification</b>	Calcium carbonate, limestone, CaCO <sub>3</sub>
	<b>Name of the substance</b>	Ferticarb®
<b>1.2</b>	<b>Use of the substance</b>	
<b>1.2.1</b>	<b>Intended or recommended use</b>	
<b>1.3</b>	<b>Company identification</b>	
<b>1.3.1</b>	<b>Company</b>	<b>Calcis Lienen GmbH &amp; Co. KG</b>
		<b>Werk Wettringen</b>
	<b>Address</b>	Bilker Straße 30,
	<b>Country code/ post code/ town</b>	DE-48493 Wettringen
	<b>Telephone</b>	0049 – 54 83 – 73 92 – 0
	<b>Fax</b>	0049 – 54 83 – 73 92 – 92
<b>1.3.2</b>	<b>Inquiry department</b>	central laboratory Lienen, Mr. Lutter
	<b>Telephone</b>	0049 - 54 83 – 73 92 - 0
<b>1.3.3</b>	<b>In an emergency</b>	
	<b>Telephone</b>	
<b>2</b>	<b>Composition/information on ingredients</b>	
<b>2.1</b>	<b>Chemical characterisation</b>	
<b>2.1.1</b>	<b>CAS-No.</b>	471-34-1
<b>2.1.2</b>	<b>Name (ref. to EEC-directive)</b>	Calcium carbonate, limestone, CaCO <sub>3</sub> .
<b>2.1.3</b>	<b>Symbol</b>	Not applicable.
<b>2.1.4</b>	<b>R-phrases</b>	Not applicable.
<b>2.1.5</b>	<b>EINECS-No.</b>	207-439-9
<b>2.1.6</b>	<b>Additional remarks</b>	The chemical characterisation is applicable for both limestone granules and limestone powder.
<b>3</b>	<b>Hazards identification</b>	
<b>3.1</b>	<b>Indication of hazard</b>	Not applicable.
<b>3.2</b>	<b>Critical hazards to man</b>	Not applicable.
<b>4</b>	<b>First aid</b>	
<b>4.1</b>	<b>Inhalation</b>	Not applicable.
<b>4.2</b>	<b>Skin contact</b>	Not applicable.
<b>4.3</b>	<b>Eye contact</b>	Wash affected area with water.
<b>4.4</b>	<b>Notes for the doctor</b>	Not applicable.
<b>5</b>	<b>Fire preventing measures</b>	
<b>5.1</b>	<b>Fire fighting procedure</b>	Product is not flammable.
<b>6</b>	<b>Accidental release measures</b>	
<b>6.1</b>	<b>Personal precautions</b>	Keep dust levels to a minimum, ensure that sufficient ventilation or suitable respiratory protective equipment is used (s. heading 8).
<b>6.2</b>	<b>Environmental precautions</b>	Not applicable.
<b>6.3</b>	<b>Methods for cleaning up</b>	Pick up the product mechanically in a dry way.

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

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<b>11</b>	<b>Toxicological information</b>	
<b>11.1</b>	<b>Toxicological tests</b>	
<b>11.1.1</b>	<b>Acute toxicity</b>	Not applicable.
<b>11.1.2</b>	<b>Specific symptoms in animal experiments</b>	Not applicable.
<b>11.1.3</b>	<b>Irritation/corrosiveness</b>	Not applicable.
<b>11.1.4</b>	<b>Additional remarks</b>	Not applicable.
<b>11.2</b>	<b>Practical experience</b>	
<b>11.2.1</b>	<b>Long term exposure</b>	Not applicable.
<b>12</b>	<b>Ecological information</b>	
<b>12.1</b>	<b>Persistence and degradation</b>	Not applicable.
<b>12.2</b>	<b>Bioaccumulative potential</b>	Not applicable.
<b>12.3</b>	<b>Additional remarks</b>	Not applicable.
<b>13</b>	<b>Disposal considerations</b>	
<b>13.1</b>	<b>Product</b>	
<b>13.1.1</b>	<b>Comment</b>	Further use possible if picked up in a dry way.
<b>14</b>	<b>Transport Information</b>	
<b>14.1</b>	<b>Overland transport ADR/RID and GGVS/GGVE</b>	Not classified.
<b>14.2</b>	<b>Inland shipment ADN/ADR</b>	Not classified.
<b>14.3</b>	<b>Overseas shipment IMDG/GGVSea</b>	Not classified.
<b>14.4</b>	<b>Transport by air ICAO-TI and IATA-DGR</b>	Not classified.
<b>15</b>	<b>Regulatory information</b>	
<b>15.1</b>	<b>Labelling according to EEC-Directives</b>	
<b>15.1.1</b>	<b>Symbol and classification of the substance</b>	Not applicable.
<b>15.1.2</b>	<b>R-Phrases</b>	Not applicable.
<b>15.1.3</b>	<b>S-Phrases</b>	Not applicable.
<b>15.2</b>	<b>National regulations</b>	
<b>15.2.1</b>	<b>Restriction to employment</b>	Not applicable.
<b>15.2.2</b>	<b>Regulation on accident (StörfallIV)</b>	Not applicable.
<b>15.2.3</b>	<b>Regulation on accident (VbF)</b>	Not applicable.
<b>15.2.4</b>	<b>German technical instruction on air pollution control (TA Luft)</b>	Not applicable.
<b>15.2.5</b>	<b>Water endangering class</b>	Not endangering to water.
<b>15.2.6</b>	<b>Any other rules, restrictions and prohibiting regulations</b>	Principles of occupational medicine, BG rules of practice, and others.
<b>16</b>	<b>Other information</b>	
<b>16.1</b>	<b>Further information</b>	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.
<b>16.2</b>	<b>Department issuing data sheet</b>	
<b>16.3</b>	<b>Person to contact:</b>	