

# SAFETY DATA SHEET



Microdol\_KN

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

<b>Product name</b>	: Microdol_KN
<b>Trade name</b>	: Microdol® 1, Microdol® 100, Microdol® 200, Microdol® 325, Microdol® 40/200, Microdol® 5, Microdol® 80/270, Microdol® Extra, Microdol® Super, Microdol® Ultra
<b>EC number</b>	: 240-440-2
<b>REACH Product name</b>	: Natural dolomite
<b>REACH, General</b>	: Exempted
<b>REACH, Annex V</b>	: Listed Group 7
<b>Product description</b>	: -
<b>Product type</b>	: Powder.
<b>CAS number</b>	: 16389-88-1
<b>Chemical name</b>	: Natural dolomite
<b>Other means of identification</b>	: Calcium magnesium carbonate, CaMg(CO <sub>3</sub> ) <sub>2</sub>

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

**Use of the substance/mixture** : Filler and Pigments. Road and building material. Material for process and environment

### 1.3 Details of the supplier of the safety data sheet

OMYA

**Manufacturer** : Omya Hustadmarmor AS, Knarrevik

**e-mail address of person responsible for this SDS** : SDS.se@omya.com

#### National contact

For Sweden, Denmark and Norway:

Omya AB / Omya A/S, Kalendeg 18, SE-211 35 Malmö

Tel +46 40-20 67 00

Fax +46 40-23 65 19

E-mail: info.se@omya.com

Internet: www.omya.se

For Finland:

Omya OY, Kasarmikatu 22, FI 00130 Helsinki

Tel +358 9 476 476

Fax +358 9 476 47400

### 1.4 Emergency telephone number

#### National advisory body/Poison Center

**Telephone number** : In case of emergency please contact the Swedish Kemiakuten in Stockholm, telephone number +46 20 99 60 00 or in case of emergency treatment dial 112.

#### Supplier

**Telephone number** : See above.

**Hours of operation** : Office hours.

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mono-constituent substance

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified.

**Classification according to Directive 67/548/EEC [DSD]**

Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Hazard pictograms** :

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements**

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Supplemental label elements** : Not applicable.

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** : -

**Tactile warning of danger** : -

### 2.3 Other hazards

**Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.

**Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.

**Other hazards which do not result in classification** : Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

## SECTION 3: Composition/information on ingredients

**Substance/mixture** : Mono-constituent substance

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Natural dolomite	EC: 240-440-2 CAS: 16389-88-1	97 - 100	Not classified.	Not classified.	[A]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

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**SECTION 3: Composition/information on ingredients**

[A] Constituent  
 [B] Impurity  
 [C] Stabilizing additive

Occupational exposure limits, if available, are listed in Section 8.

**Other information** : Quartz is occurring naturally in dolomite (<0.5%) and given value is typical**SECTION 4: First aid measures****4.1 Description of first aid measures**

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

**Inhalation** : Move exposed person to fresh air. Get medical attention if symptoms occur.

**Skin contact** : Flush contaminated skin with plenty of water.

**Ingestion** : Wash out mouth with water. Get medical attention if symptoms occur.

**Protection of first-aiders** : -

**4.2 Most important symptoms and effects, both acute and delayed****Potential acute health effects**

**Eye contact** : Dust may cause mechanical irritation.

**Inhalation** : Dust may cause irritation in the respiratory tract.

**Skin contact** : -

**Ingestion** : -

**Over-exposure signs/symptoms**

**Eye contact** : Adverse symptoms may include the following:  
irritation  
redness

**Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing

**Skin contact** : Fine grained products can be abrasive and cause uncomfot and may dry out the skin.

**Ingestion** : -

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** : -

**Specific treatments** : No specific treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : -

**5.2 Special hazards arising from the substance or mixture**

**Hazards from the substance or mixture** : -

**Hazardous combustion products** : -

**5.3 Advice for firefighters****Date of issue/Date of revision** : 2013-11-01.

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**SECTION 5: Firefighting measures**

- Special precautions for fire-fighters** : -
- Special protective equipment for fire-fighters** : -
- Additional information** : Non-flammable. Non-combustible.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel** : Avoid breathing dust. Put on appropriate personal protective equipment.
- For emergency responders** : Avoid breathing dust. Put on appropriate personal protective equipment.

**6.2 Environmental precautions** : Avoid dispersal of spilled material.

**6.3 Methods and materials for containment and cleaning up**

- Small spill** : Vacuum or sweep up material carefully to prevent dusting, or rinse with water
- Large spill** : Avoid creating dusty conditions and prevent wind dispersal.  
Note: see section 1 for emergency contact information and section 13 for waste disposal.  
Keep away from acids.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**7.1 Precautions for safe handling**

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid breathing dust.
- Advice on general occupational hygiene** : The usual precautions for the handling with chemicals should be observed.  
See also Section 8 for additional information on hygiene measures.

**7.2 Conditions for safe storage, including any incompatibilities** : Keep container tightly closed and dry. Keep away from acids.

**Packaging materials**

- Recommended** : No special recommendations.
- Not recommended** : -

**7.3 Specific end use(s)**

- Recommendations** : -
- Industrial sector specific solutions** : -

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**SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**8.1 Control parameters****Occupational exposure limits**

Product/ingredient name	Exposure limit values
Dust, inorganic	<p><b>AFS (Sweden).</b>            NGV: 10 mg/m<sup>3</sup> 8 hour(s). Form: Inhalable dust            NGV: 5 mg/m<sup>3</sup> 8 hour(s). Form: Respirable</p> <p><b>Nationale MAC-lijst (Netherlands).</b>            TGG: 10 mg/m<sup>3</sup> 8 hour(s). Form: Inhalable dust            TGG: 5 mg/m<sup>3</sup> 8 hour(s). Form: Respirable dust</p> <p><b>Työterveyslaitos (Finland).</b>            TWA: 10 mg/m<sup>3</sup> 8 hour(s).</p> <p><b>Arbeidstilsynet (Norway).</b>            AN: 5 mg/m<sup>3</sup> 8 hour(s). Form: Respirable            AN: 10 mg/m<sup>3</sup> 8 hour(s). Form: Total</p> <p><b>DK-Arbejdstilsynet (Denmark).</b>            GV: 5 mg/m<sup>3</sup> 8 hour(s). Form: Respirable            GV: 10 mg/m<sup>3</sup> 8 hour(s). Form: Total</p>

**Recommended monitoring procedures** : Use only in well-ventilated areas.

**Derived effect levels**

No DELs available.

**Predicted effect concentrations**

No PECs available.

**8.2 Exposure controls**

**Appropriate engineering controls** : Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Individual protection measures**

**Hygiene measures** : -

**Eye/face protection** : Recommended: Safety glasses.

**Skin protection**

**Hand protection** : Recommended: Leather gloves, Textile gloves

**Body protection** : -

**Other skin protection** : -

**Respiratory protection** : Use suitable face mask to avoid airborne dust. e.g. Filter P2

**Environmental exposure controls** : -

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance**

**Physical state** : Solid. [Powder.]

**Color** : White.

**Odor** : Odorless.

**Odor threshold** : Not applicable.

**pH** : 9 - 10,5 [Conc. (% w/w): 10%] (Basic.)

**Melting point/freezing point** : Not available.

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## SECTION 9: Physical and chemical properties

<b>Initial boiling point and boiling range</b>	: Not available.
<b>Flash point</b>	: Not applicable.
<b>Evaporation rate</b>	: Not applicable.
<b>Flammability (solid, gas)</b>	: Non-flammable. Non-combustible.
<b>Burning time</b>	: Not applicable.
<b>Burning rate</b>	: Not applicable.
<b>Upper/lower flammability or explosive limits</b>	: Not available.
<b>Vapor pressure</b>	: Not applicable.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 2,85
<b>Solubility(ies)</b>	: Very slightly soluble in the following materials: cold water.
<b>Partition coefficient: n-octanol/water</b>	: <1 (Estimated)
<b>Auto-ignition temperature</b>	: Not applicable.
<b>Decomposition temperature</b>	: 730 - 760 °C
<b>Viscosity</b>	: Not applicable.
<b>Explosive properties</b>	: Not explosive.
<b>Oxidizing properties</b>	: Not available.

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: No special recommendations.
<b>10.5 Incompatible materials</b>	: Reactive or incompatible with the following materials: acids
<b>10.6 Hazardous decomposition products</b>	: Can react with acids under the formation of carbondioxide which can replace oxygen (danger of suffocation)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Natural dolomite	LD50 Oral	Rat	>5000 mg/kg	-

**Conclusion/Summary** : Due to the fact that solid dolomite is a natural mineral of the surface of the earth and that dissolved dolomite is a natural and indispensable component of natural waters, chronic toxic effects as well as sensitizing effects of the substance can practically be excluded.

#### Irritation/Corrosion

**Conclusion/Summary** : Not available.

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**SECTION 11: Toxicological information****Sensitizer**

**Conclusion/Summary** : Not available.

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

**Conclusion/Summary** : None available.

**Reproductive toxicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure** : Routes of entry anticipated: Dermal, Inhalation.

**Potential acute health effects**

**Inhalation** : Dust may cause irritation in the respiratory tract.

**Ingestion** : -

**Skin contact** : -

**Eye contact** : Dust may cause mechanical irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing

**Ingestion** : -

**Skin contact** : Fine grained products can be abrasive and cause uncomfourt and may dry out the skin.

**Eye contact** : Adverse symptoms may include the following:  
irritation  
redness

**Delayed and immediate effects and also chronic effects from short and long term exposure****Short term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

**Potential chronic health effects**

Not available.

**Conclusion/Summary** : Not available.

**General** : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

**Carcinogenicity** : Not available.

**Mutagenicity** : Not available.

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## SECTION 11: Toxicological information

- Teratogenicity** : Not available.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Natural dolomite	Acute LC50 >200 mg/L	Algae	72 hours
	Acute LC50 >1000 mg/L	Daphnia	48 hours
	Acute LC50 >10000 mg/L	Fish	96 hours

**Conclusion/Summary** : In its solid state, dolomite is a natural mineral of the earth. In its dissolved state, the substance is a natural indispensable component of waters. Therefore, unfavourable effects to the environment may be excluded. Restrictions may be indicated that concentrated suspensions of dolomite in natural waters may have an unfavorable effect on water organisms (disturbance of the microflora and -fauna in the sediment and subsequent detriment to the existence of higher water organisms).

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not biodegradeable.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Natural dolomite	-	-	Not readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Natural dolomite	<1	-	low

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not applicable.

**Mobility** : Non-volatile. Expected to be immobile in soil.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.  
PBT: Specified

**vPvB** : Not applicable.  
vPvB: Specified

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

#### Packaging

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### SECTION 13: Disposal considerations

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible.  
**Special precautions** : -

### SECTION 14: Transport information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
14.6 Special precautions for user	Not available.	Not available.	Not available.	Not available.
Additional information	-	-	-	-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

### SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

Other EU regulations

**Europe inventory** : All components are listed or exempted.

**Black List Chemicals** : Not listed

**Priority List Chemicals** : Not listed

**Integrated pollution prevention and control list (IPPC) - Air** : Not listed

**Integrated pollution prevention and control list (IPPC) - Water** : Not listed

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## SECTION 15: Regulatory information

### International regulations

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed

15.2 Chemical Safety Assessment : Not applicable. See section 1; "REACH, General"

## SECTION 16: Other information

Revision comments : 1.3

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number

### Key literature references and sources for data

Sweden : AFS; Hygieniska gränsvärden och åtgärder mot luftföroreningar; The Swedish Work Environment Authority

Denmark : At-vejledning C.0.1; Grænsværdier for stoffer og materialer; Ministry of Labour, Denmark

Norway : Best nr 361; Administrative normer for forurensning i arbeidsatmosfære; The Labour Inspection, Norway Best nr 566; Vern mot eksponering for kjemikalier på arbeidsplassen (Kjemikalieforskriften); The Labour Inspection, Norway

Finland : HTP-values; Ministry of Social Affairs and health, Finland

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements : Not applicable.

Full text of classifications [CLP/GHS] : Not applicable.

Full text of abbreviated R phrases : Not applicable.

Full text of classifications [DSD/DPD] : Not applicable.

Further information : Switzerland: classified as a non-toxic product under BAG-T No 617 300  
 Europe/EU: EINECS listed under No 240-440-2  
 USA: TSCA, CAS No 16389-88-1  
 Canada: Dolomite is exempt from the PDSL (naturally occurring substance)

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## SECTION 16: Other information

South Korea: ECL 1-685

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**Version** : 3  
**Prepared by** : Omy/agn