

SAFETY DATA SHEET

according to Commission Regulation (EU) No 2015/830

**7440000 SNOWCAL 60-ML**

Version	Revision Date:	SDS Number:	Date of last issue: 08.04.2015
1.1	18.05.2018	PR74400-00	Date of first issue: 08.04.2015

(CLP_GB)

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : SNOWCAL 60-ML

REACH Registration Number : Exempted in accordance Annex V.7

Substance name : Calcium carbonate (GCC) fine powder

CAS-No. : 1317-65-3

EC-No. : 215-279-6

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

Use of the Substance/Mixture : Manufacture of paints, varnishes and similar coatings, printing ink and mastics
Chemical-Technical Industry
Manufacture of rubber products
Manufacture of plastics products
Manufacture of paper and paperboard
Manufacture of soap and detergents, cleaning and polishing mixtures
Building and construction work
Filling
Mixing
Filler or Pigment
Building and construction mixtures not covered elsewhere
Water treatment chemical

Recommended restrictions on use : For industrial use only.
Other industries not mentioned are excluded.

1.3 Details of the supplier of the safety data sheet

Company : Omya UK Ltd - Melton Office
Melton Bottom
HU14 3HU Melton, North Ferriby

E-mail address of person responsible for the SDS : sds.europe@omya.com

Responsible/issuing person : Omya UK Ltd, Melton Office, Melton Bottom, Melton, North Ferriby, East Yorkshire, HU14 3HU, United Kingdom

1.4 Emergency telephone number

Responsible Department : Emergency telephone: +44 870 190 6777

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name : Calcium carbonate (GCC) fine powder
 EC-No. : 215-279-6

Hazardous components

WEL substance :		
Ground calcium carbonate (GCC)	1317-65-3 215-279-6	>= 85 - < 100
WEL substance :		
quartz (SiO ₂)	14808-60-7	>= 0,8 - < 0,9

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
 If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.
 Wash off with soap and plenty of water.

In case of eye contact : Flush eyes with water as a precaution.
 Remove contact lenses.
 Protect unharmed eye.
 Keep eye wide open while rinsing.

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If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Not applicable

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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- Advice on safe handling : For personal protection see section 8.
No special handling advice required.
- Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
- Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
- Advice on common storage : Do not store near acids.
- Further information on storage stability : Keep in a dry place. No decomposition if stored and applied as directed.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Ground calcium carbonate (GCC)	1317-65-3	TWA (inhalable dust)	10 mg/m ³	GB EH40
Further information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m ⁻³ 8-hour TWA of inhalable dust or 4 mg.m ⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term			

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	exposure limit is listed, a figure three times the long-term exposure should be used			
	<table border="1"> <tr> <td>TWA (Respirable dust)</td> <td>4 mg/m3</td> <td>GB EH40</td> </tr> </table>	TWA (Respirable dust)	4 mg/m3	GB EH40
TWA (Respirable dust)	4 mg/m3	GB EH40		
Further information	<p>For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</p>			

8.2 Exposure controls

Personal protective equipment

- Eye protection : Safety glasses
 - Hand protection
Remarks : For prolonged or repeated contact use protective gloves.
 - Skin and body protection : Protective suit
 - Respiratory protection : Half mask with a particle filter P2 (EN 143)
- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Half mask with a particle filter P2 (EN 143)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : powder
- Colour : white

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Odour	:	characteristic
Odour Threshold	:	Not relevant
pH	:	8,5 - 9,5 (20 °C) Concentration: 100 g/l Method: DIN-ISO 787/9
Melting point/range	:	> 800 °C (1.013 hPa) Decomposition: Decomposes below the melting point.
Boiling point/boiling range	:	Decomposition: Decomposes below the boiling point.
Flash point	:	does not flash
Flammability (solid, gas)	:	The product is not flammable.
Burning number	:	1
Upper explosion limit / Upper flammability limit	:	Upper flammability limit Not applicable
Lower explosion limit / Lower flammability limit	:	Lower flammability limit Not applicable
Vapour pressure	:	Not applicable
Density	:	2,3 - 2,8 g/cm ³ (20 °C, 1.013 hPa) Method: DIN-ISO 787/10
Solubility(ies)	:	
Water solubility	:	0,014 g/l (20 °C, 1.013 hPa)
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	> 600 °C
Explosive properties	:	Explosive Acc. EU Legislation: Not explosive Explosive Acc. Transp. Regul.: Not explosive

9.2 Other information

Minimum ignition energy	:	> 1.000 mJ (20 °C, 1.013 hPa)
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SECTION 10: Stability and reactivity**10.1 Reactivity**

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

Reacts with acids. It forms carbon dioxide (CO₂). This displaces the oxygen in the air in closed spaces. (danger of suffocation).

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition productsCarbon dioxide (CO₂)**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Product:**

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LC50: estimated > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : estimated > 2.000 mg/kg

Components:**Ground calcium carbonate (GCC):**

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

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Skin corrosion/irritation

Product:

According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation

Product:

According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

STOT - repeated exposure

Components:

quartz (SiO₂):

Exposure routes	:	Inhalation
Target Organs	:	Lungs
Assessment	:	Causes damage to organs through prolonged or repeated exposure.

Further information

Product:

No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 10.000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1.000 mg/l Exposure time: 48 h
Toxicity to algae	:	NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l Exposure time: 72 h
		EC50 (Desmodesmus subspicatus (green algae)): 289 mg/l Exposure time: 72 h

Components:

Ground calcium carbonate (GCC):

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 10.000 mg/l
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Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l
Exposure time: 72 h

12.2 Persistence and degradability**Product:**

Biodegradability : Not applicable

12.3 Bioaccumulative potential**Components:****Ground calcium carbonate (GCC):**

Partition coefficient: n-octanol/water : Not applicable

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:**Ground calcium carbonate (GCC):**

Assessment : Non-classified PBT substance
Non-classified vPvB substance

12.6 Other adverse effects**Product:**

Additional ecological information : In solid state these minerals are a major part of the rocks of the earth's surface.
They are dissolved in a natural state and indispensable part of the natural waters.
These minerals are not biodegradable.
Negative effects on the environment should therefore be excluded.
Restrictions may indicate that concentrated suspensions with these minerals in natural waters may have an unfavorable

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effect on water organisms (disturbance of the micro flora and - fauna in the sediment and subsequent detriment to the existence of higher water organisms).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances
Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

15.2 Chemical safety assessment

Chemical Safety assessment is not required

SECTION 16: Other information

Full text of other abbreviations

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of

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Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Sources of key data used to compile the Safety Data Sheet : Information taken from reference works and the literature.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.