

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: SNOWCAL 30-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

Recommended use of the chemical and restrictions on use:

Recommended use: 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.
Feed industry.

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

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2. HAZARDS IDENTIFICATION

GHS Classification: Not a hazardous substance or mixture.

GHS label elements: Not a hazardous substance or mixture.

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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Substance name: Calcium Carbonate GCC fine powder.

EC-No.: 215-279-6

Components:

Chemical name	CAS-No.	EC-No.	Concentration (% w/w)
Ground Calcium Carbonate (GCC)	1317-65-3	215-279-6	>= 99 - <= 100
Substance with a workplace exposure limit.			

4. 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.

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.

Most important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed: No data available.

[cont...]

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Not combustible.

Special hazards arising from the substance or mixture:

Hazardous combustion products: No hazardous combustion products are known.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid dust formation.

Environmental precautions: No special environmental precautions required.

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

Reference to other sections: Not applicable.

7. HANDLING AND STORAGE

Precautions for safe handling:

Advice on safe handling: For personal protection see section 8.
No special handling advice required.

Advice on protection against fire and explosion: No special precautions required.

Hygiene measures: General industrial hygiene practice.

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.

Specific end use(s): No data available.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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
		TWA (respirable dust)	4 mg/m ³	GB EH40

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: When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. Half mask with a particle filter P2 (EN 143).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Powder.

Physical state: Solid (20°C, 1.013 hPa)

Colour: White.

Odour: Characteristic.

Odour Threshold: Not relevant.

Melting point/range: > 800 °C (1,013 hPa)

Decomposition: Decomposes below the melting point.

Boiling point/boiling range: Decomposition: Decomposes below the boiling point.

Flammability: The product is not flammable.

Will not burn.

Upper explosion limit / Upper flammability limit: Upper flammability limit Not applicable.

Lower explosion limit / Lower flammability limit: Lower flammability limit Not applicable.

Flash point: Does not flash.

Auto-ignition temperature: Not applicable.

Decomposition temperature: > 600 °C

pH: 8.5 - 9.5 (20 °C)

Concentration: 100 g/l

Method: DIN-ISO 787/9

Solubility(ies):

Water solubility: 0.014 g/l (20 °C, 1,013 hPa)

Partition coefficient: n-octanol/water: Not applicable.

Vapour pressure: Not applicable.

Density: 2.3 - 2.8 g/cm³ (20 °C, 1,013 hPa)

Method: DIN-ISO 787/10

[cont...]

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Other information:

Explosives: Explosive Acc. EU Legislation: Not explosive.
Explosive Acc. Transp. Regul.: Not explosive.

Flammable solids:

Burning Solids: 1
Minimum ignition energy: >1.000 mJ (20 °C, 1.013 hPa)

10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended storage conditions.

Chemical stability: No decomposition if stored and applied as directed.

Possibility of 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).

Conditions to avoid: No data available.

Incompatible materials: No data available.

Hazardous decomposition products: Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:

Product:

Acute oral toxicity: LD50 Oral (Rat): > 5,000 mg/kg

Components:

Ground Calcium Carbonate (GCC):

Acute oral toxicity: LD50 Oral (Rat): > 5,000 mg/kg

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.

Information on other hazards:

Further information:

Product: No data available.

[cont...]

12. ECOLOGICAL INFORMATION

Ecotoxicity:

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

Persistence and degradability:

Product:

Biodegradability: Not applicable.

Bioaccumulative potential:

Components:

Limestone:

Partition coefficient: n-octanol/water: Not applicable.

Mobility in soil: No data available.

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.

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Endocrine disrupting properties:

Product:

Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Products: 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.

14. TRANSPORT INFORMATION

UN number or ID number: Not regulated as a dangerous good.

UN proper shipping name: Not regulated as a dangerous good.

Transport hazard class(es): Not regulated as a dangerous good.

Packing group: Not regulated as a dangerous good.

Environmental hazards: Not regulated as a dangerous good.

Special precautions for user:

Remarks: Not classified as dangerous in the meaning of transport regulations.

Maritime transport in bulk according to IMO instruments: Not applicable for product as supplied.

[cont...]

15. REGULATORY INFORMATION

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

Volatile organic compounds: Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control).
Not applicable.

Chemical Safety assessment: Chemical Safety assessment is not required.

Note: The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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).

Legal disclaimer: The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.