



Safety Data Sheet (in compliance with REACH Title IV/Annex II and ISO 11014 format)

Name of Product: Precipitated Calcium Carbonate

SDS ID: C-MS-AT-2142PAPERDRYE
U-R

*** Section 1 - Identification of the Substance/Preparation and the Company/Undertaking***

1.1. Identification of the substance or preparation:

Name consistent with the ID Card ALBACAR® HO, ALBACAR® 5970, ALBACAR® LO, ALBAFIL®, ULTRAPAQUE®, OPACARB® A40, ALBAGLOS®

Registration number: Exempted according to Article 2 (7).

Trade names: Precipitated Calcium Carbonate

Chemical name/synonyms Calcium carbonate / limestone / precipitated calcium carbonate (PCC) / Chalk / Calcite / Marble

1.2. Use of the substance/preparation

Calcium carbonate is used mainly as filler or pigment in the following industrial fields, a.o.:

- paper;
- paint;
- plastic;
- water treatment;
- surface coating;
- pharmaceuticals and cosmetics;
- food & feed additives in human and animal nutrition

1.3. Company / undertaking identification

Specialty Minerals Lifford
Lifford Lane, Kings Norton
Birmingham, UK B303JW
Phone No: +44 121 252 45 00
Fax No: +44 121 252 45 55
E-Mail of responsible person: ludo.schynck@mineralstech.com

1.4. Emergency telephone

Emergency telephone number: +44 (0)208 762 8322 (Carechem 24)
Available outside office hours? Yes

Section 2 - Hazards Identification

Calcium carbonate does not meet the criteria for classification as dangerous as defined in Directive 67/548 EEC.

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*** Section 3 - Composition/Information on Ingredients ***

3.1. Chemical composition:

EINECS N°	Name/CAS N°	Percent (wt/wt)	Symbols	Risks
207-439-9	Calcium carbonate 471-34-1	60-100		

*** Section 4 - First Aid Measures ***

No action to be avoided or special instructions for rescuers.

Eye contact

No special measure

Wash with copious quantities of water and consult medical physician if necessary.

Ingestion

No special first aid measures.

Inhalation

No special measure

Skin contact

No special measure

*** Section 5 - Fire-Fighting Measures ***

Non flammable, non explosive. No hazardous releases in case of fire.

*** Section 6 - Accidental Release Measures ***

Personal Precautions

In case of exposure to prolonged or high level of airborne dust, wear a personal respirator in compliance with national legislation.

Environmental Precautions

No special requirement.

Methods for cleaning up

Avoid dry sweeping and use water spraying or ventilated vacuum system to prevent dust formation.

*** Section 7 - Handling and Storage ***

7.1. Safe Handling Advice

Avoid dust formation.

Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.

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7.2. Storage

Technical measures / Precautions

No specific requirements. Provide appropriate ventilation and store bags such as to prevent any accidental damage.

Do not store with acids.

7.3. Specific Use(s)

No special technical measures or precautions. Apply above handling advice when mixing with other substances.

* * * Section 8 - Exposure Controls / Personal Protection * * *

8.1. Exposure limit values

Respect regulatory provisions for dust (total and respirable). Please refer to the annex 1 for the appropriate national exposure limit values.

UK Worker's Exposure Level - Precipitated Calcium Carbonate - Inhalable dust - 10 mg/m³ (8 hour TWA)

UK Worker's Exposure Level - Precipitated Calcium Carbonate - Respirable dust - 4 mg/m³ (8 hour TWA)

Component Exposure Limits - Eight Hour

Calcium carbonate (207-439-9)

Latvia: 6 mg/m³ TWA

Poland: 10 mg/m³ NDS (total inhalable dust containing <2% free crystalline silica)

Portugal: 10 mg/m³ TWA (inhalable fraction, particulate matter containing no asbestos and < 1% crystalline silica)

Spain: 10 mg/m³ VLA-ED

8.2. Exposure controls

8.2.1. OCCUPATIONAL EXPOSURE CONTROLS

Provide appropriate exhaust ventilation and filtering at the places where dust can be generated.

Respiratory Protection - In case of prolonged exposure to dust wear a personal respirator in compliance with national legislation.

Wash hands before breaks and at the end of the workday.

Remove and wash soiled clothing.

8.2.2. ENVIRONMENTAL EXPOSURE CONTROLS

No special requirement.

* * * Section 9 - Physical and Chemical Properties * * *

9.1. General information

Physical state: Powder

Colour: White

Odour: Odourless

Specific Gravity 2.71

Solubility Water Partial

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9.2. Important health, safety and environmental information

Bulk density: N/A
Specific density: 2.71
Melting temperature: N/A
Decomposition temperature: N/A
Flash point: N/A
Explosion hazard: None
Solubility in water: Partial

*** Section 10 - Stability and Reactivity ***

CONDITIONS TO AVOID

None recommended

MATERIALS TO AVOID

Avoid contact with acids

HAZARDOUS DECOMPOSITION PRODUCTS

Can react with acids under the formation of carbon dioxide (CO₂)

*** Section 11 - Toxicological Information ***

11.1. Acute effects

Component Analysis - LD50/LC50

Calcium carbonate (207-439-9)
Oral LD50 Rat: 6450 mg/kg

Skin irritation data

Not irritant to skin

Eye irritation data

Mild irritant to eyes (according to the modified Kay & Calandra criteria)

11.2. Chronic effects

None

*** Section 12 - Ecological Information ***

Toxicity threshold is above hydrosolubility of calcium carbonate.

Not persistent, not bioaccumulative.

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*** Section 13 - Disposal Considerations ***

Waste from residues/unused products

Can be landfilled in compliance with local regulations. The material should be buried to prevent airborne respirable dust being emitted. Where possible, recycling should be preferred to disposal.

Packaging

No specific requirements. In all cases dust formation from residues in the packaging should be avoided and suitable worker protection be assured. Recycling and disposal of packaging should be carried out by a suitable waste management company.

*** Section 14 - Transportation Information ***

No special precaution required under the regulation on transport of dangerous goods. Avoid dust spreading.

*** Section 15 - Regulatory Information ***

National legislation/requirements:

Substance Analysis - Inventory

Name/CAS N°	EINECS N°	EEC	CAN	TSCA	AUST	PHIL	MITI	KOREA	CHINA
Calcium carbonate 471-34-1	207-439-9	EINECS	DSL	Yes	Yes	Yes	Yes	Yes	Yes

*** Section 16 - Other Information ***

Social Dialogue on Respirable Crystalline Silica

No detectable silica in product

Key/Legend

TSCA = U.S. Toxic Substance Control Act; DSL = Canadian Domestic Substances List; NDSL = Canadian Non Domestic Substances List; EINECS = European Inventory of Existing Commercial Chemical Substances; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer

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Additional language emergency contact numbers:

English: +44 1212 524 500

Dutch: +32 2 712 96 45

Finnish: +358 14 559 6330

French: +33 3 29 66 63 12

German: +49 203 286 18 105

Portuguese: +351 233 900 762

Slovak: +421 44 4326 238