



SAFETY DATA SHEET

Celite® 263 LD

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name	Celite® 263 LD
REACH registration number	01-2119488518-22-0005
CAS number	68855-54-9
EC number	272-489-0

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

Identified uses	A functional additive
Uses advised against	None

1.3. Details of the supplier of the safety data sheet

Supplier	Imerys Diatomita Alicante Apartdo de Correos No. 46 Carretera de Elche Km 6 ES - 03080 Alicante Spain Tel. +34 (96) 528 4033 Fax. +34 (96) 528 4069 SDS.expert@imerys.com
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1.4. Emergency telephone number

Emergency telephone	CHEMTREC + 1 703 527 3887
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

Human health

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008. Depending on the type of handling and use (e.g. grinding, drying), airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.

Environmental

The product is not expected to be hazardous to the environment.

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Physicochemical This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH. This product should be handled with care to avoid dust generation.

2.2. Label elements

EC number 272-489-0
Hazard statements NC Not Classified

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.1 Substances

Diatomaceous Earth, Flux Calcined	100%
CAS number: 68855-54-9	EC number: 272-489-0

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REACH registration number 01-2119488518-22-0005
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EC number 272-489-0
Composition comments Impurities: Cristobalite: CAS-No.: 14464-46-1 EC No.: 238-455-4 This product contains less than 1% cristobalite (fine fraction).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information No acute and delayed symptoms and effects are observed.
Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. Do not induce vomiting.
Skin contact Wash skin thoroughly with soap and water. Use suitable lotion to moisturise skin.
Eye contact Do not rub eye. Rinse with copious quantities of water and seek medical attention if irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation Breathing dust containing crystalline silica over a prolonged period of time may cause lung damage. Crystalline silica (Cristobalite) is a known cause of silicosis, a progressive, sometimes fatal lung disease.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media This product is non-combustible. No specific extinguishing media is needed.

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5.2. Special hazards arising from the substance or mixture

Specific hazards Non combustible. No hazardous thermal decomposition.

5.3. Advice for firefighters

Protective actions during firefighting No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Avoid spreading dust or contaminated materials.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation. Collect and place in suitable waste disposal containers and seal securely. Do not handle broken packages without protective equipment.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques, please contact your supplier. Do not eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a dry covered area. Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

7.3. Specific end use(s)

Usage description If you require advice on specific uses, please contact your supplier.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Inorganic dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

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Long-term exposure limit (8-hour TWA): WEL 0,1 mg/m³ respirable dust

WEL = Workplace Exposure Limit

Biological limit values None.

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DNEL	Industry - Inhalation; Long term systemic effects: 0.05 mg/m ³ Consumer - Inhalation; Long term systemic effects: 0.05 mg/m ³ Consumer - Oral; Long term systemic effects: 18.7 mg/kg bw/day
DMEL	General population - Oral; : 200 AF NOAEL
PNEC	- Sediment; n/a - Water; n/a - STP; 100 mg/l - STP; AF 10

8.2. Exposure controls

Appropriate engineering controls	Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing. .
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. Contact lenses should not be worn when working with this product.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).
Other skin and body protection	No specific requirement. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.
Hygiene measures	When using do not eat, drink or smoke. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin.
Respiratory protection	In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.
Environmental exposure controls	Dispose of waste in accordance with local and national regulations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	White/off-white.
Odour	Odourless.
pH	pH (concentrated solution): Not applicable.
Melting point	> 450°C EU Method A1
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Relative density	2.4 g/cm ³ OECD 109

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Solubility(ies)	Insoluble in water. EU Method A6
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not applicable.
Viscosity	Not applicable.
Explosive properties	Not considered to be explosive.
Oxidising properties	Not relevant.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable.
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10.4. Conditions to avoid

Conditions to avoid	No particular incompatibility.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀)	LD ₅₀ > 2000 mg/kg, Oral, Rat OECD 401
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Acute toxicity - dermal

Notes (dermal LD₅₀)	Not applicable.
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Acute toxicity - inhalation

Notes (inhalation LC₅₀)	LC ₅₀ > 2.6 mg/l, Inhalation, Rat OECD 403
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Skin corrosion/irritation

Animal data	Not irritating. OECD 404 Rabbit
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Serious eye damage/irritation

Serious eye damage/irritation	Not irritating. OECD 405 Rabbit
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Skin sensitisation

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Acute toxicity - fish	, 96 hours: >100% v/v saturated solution, Onchorhynchus mykiss (Rainbow trout) Exceeds maximum solubility of substance OECD 203
Acute toxicity - aquatic invertebrates	, 48 hours: >100% v/v saturated solution, Daphnia magna Exceeds maximum solubility of substance OECD 202
Acute toxicity - aquatic plants	, 72 hours: >100% v/v saturated solution, Desmodium subspicatus Exceeds maximum solubility of substance OECD 201
Acute toxicity - microorganisms	, 3 hours: > 1000 mg/l, Activated sludge Harmless to STP microorganisms OECD 209

12.2. Persistence and degradability

Persistence and degradability The product contains only inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient Not applicable.

12.4. Mobility in soil

Mobility Not applicable. The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information This mineral can be disposed of as a non toxic/inactive material in approved landfill sites in accordance with local regulations. Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

Disposal methods Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

SECTION 14: Transport information

General No special precautions. The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

No information required.

14.2. UN proper shipping name

No information required.

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14.3. Transport hazard class(es)

No information required.

14.4. Packing group

No information required.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information required.

SECTION 15: Regulatory information

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

National regulations

EH40/2005 Workplace exposure limits.
Health and Safety at Work etc. Act 1974 (as amended).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

AF = Assessment factor
BCF = Bioconcentration factor
CAS =Chemical Abstracts Service
C & L=Classification and labelling
RCS =Respirable crystalline silica
DNEL= Derived no effect level
LC50 = Median lethal concentration
LD50 =Medial lethal dose
EC = European Commission
NOAEL =No observed adverse effect level
PBT =Persistent bioaccumulative toxic
PEC =Predicted effect level
PNEC =Predicted no effect level
SDS =Safety data sheet
STOT = Specific target organ toxicity
STP = Sewage treatment plant
vPvB =Very persistent very bioaccumulative

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General information

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations. A multi-sectoral social dialogue agreement on Workers Health Protection through the Good Handling and Use of Crystalline Silica and Products Containing it was signed on 25 April 2006. This autonomous agreement, which receives the European Commission's financial support, is based on a Good Practices Guide. The requirements of the Agreement came into force on 25 October 2006. The Agreement was published in the Official Journal of the European Union (2006/C 279/02). The text of the Agreement and its annexes, including the Good Practices Guide, are available from <http://www.nepsi.eu> and provide useful information and guidance for the handling of products containing crystalline silica (fine fraction). Literature references are available on request from EUROSIL, the European Association of Industrial Silica Producers. Health & Safety Executive: Detailed reviews of the scientific evidence on the health effects of crystalline silica have been published by HSE (Health and Safety Executive, UK) in the Hazard Assessment Documents EH75/4 (2002) and EH75/5 (2003). The HSE points out on its website that "Workers exposed to fine dust containing quartz are at risk of developing a chronic and possibly severely disabling lung disease known as "silicosis"." In addition to silicosis, there is now evidence that heavy and prolonged workplace exposure to dust containing crystalline silica can lead to an increased risk of lung cancer. The evidence suggests that an increased risk of lung cancer is likely to occur only in those workers who have developed silicosis. . The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. . Insofar as materials not manufactured or supplied by (the supplier)., are used in conjunction with, or instead of (the supplier), materials, it is the responsibility of the customer himself to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of (the supplier), Kieselguhr soda-ash flux calcined in conjunction with materials from another supplier. .

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