

SAFETY DATA SHEET

Revision: 2.2 Date: 11.03.2024



ACCORDING TO EC-REGULATIONS 1907/2006
(REACH), 1272/2008 (CLP) & 2020/878

CelaPerl®, Celatom® Perlite expanded (all grades)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Product identifier	
	Product Name	CelaPerl®, Celatom® Perlite expanded (all grades)
	Trade names	CelaPerl®, Celatom® Perlite expanded (all grades)
	Chemical Name	Sodium Potassium Aluminum Silicate
	CAS No.	93763-70-3
	EINECS No.	618-970-4
	Nanoform	The product does not contain nanoparticles.
	REACH Registration No.	Not applicable.
1.2	Recommended use of the chemical and restrictions on use	
	Identified Use(s)	The substance is used as a filter aid, or as a functional additive
	Uses Advised Against	
1.3	Details of the supplier of the safety data sheet	
	Manufacturer	EP Minerals, LLC 9785 Gateway Drive Reno, Nevada 89521 USA
	Telephone	+1-775-824-7600
	Fax	+1-775-824-7601
	E-Mail (competent person)	inquiry.minerals@epminerals.com
	Importer	EP Minerals Europe GmbH & Co, KG Rehrhofer Weg 115 D-29633, Munster, Germany
	Telephone	+49 51 92 98970
	Fax	+49-51 92 989715
	E-Mail (competent person)	EPME@epminerals.com
1.4	Emergency Phone No.	Europe: +49 51 92 98970 (08:00– 17:00 CET) Languages spoken: English, French and German USA: +1-775-824-7600 (08:00– 17:00 PST)

SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture	
2.1.1	Regulation (EC) No. 1272/2008 (CLP)	Not classified as hazardous for supply/use.
2.2	Label elements	According to Regulation (EC) No. 1272/2008 (CLP)
	Product Name	CelaPerl®, Celatom® Perlite expanded (all grades)
	Contains:	Perlite
	Hazard Pictogram(s)	None assigned.
	Signal Word(s)	None assigned.
	Hazard Statement(s)	None assigned.
	Precautionary Statement(s)	None assigned.
2.3	Other hazards	None

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.
Perlite	circa.100	93763-70-3	618-970-4

3.2 Mixtures - Not applicable.

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation develops and persists, get medical attention. Blow nose to evacuate dust.

Skin Contact

Remove clothing and wash thoroughly before use. Wash affected skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention if eye irritation develops or persists.

Ingestion

Rinse mouth. Give plenty of water to drink. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Acute inhalation can cause dryness of the nasal passage and lung congestion, coughing and general throat irritation. Chronic inhalation of dust should be avoided. May cause irritation to the respiratory system.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically. There is no specific antidote. Remove person to fresh air and keep comfortable for breathing.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media

Non-flammable. Extinguish with carbon dioxide, dry chemical, foam or waterspray. As appropriate for surrounding fire.

Unsuitable extinguishing media

None.

5.2 Special hazards arising from the substance or mixture

Non-flammable, Non-combustible, Not explosive.

5.3 Advice for fire-fighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid generation of dust. Do not breathe dust. Wear appropriate personal protective equipment, avoid direct contact. Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment.

6.2 Environmental precautions

No special requirements.

6.3 Methods and material for containment and cleaning up

Sweep spilled substances into containers if appropriate moisten first to prevent dusting. Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal.

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6.4 Reference to other sections

See Section: 8, 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques, please contact your supplier or check the Good Practice Guide referred to in section 16. Avoid generation of dust. In case of inadequate ventilation wear respiratory protection. Do not breathe dust. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Storage life

Atmospheric concentrations should be minimised and kept as low as reasonably practicable below the occupational exposure limit.

Incompatible materials

Stable under normal conditions. Store in a dry place.

7.3 Specific end use(s)

Keep away from: Hydrofluoric Acid

See Section: 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Nuisance Dust	-	-	10	-	-	Inhalable Dust. WEL: Workplace Exposure Limit (UK HSE EH40)
Nuisance Dust	-	-	4	-	-	Respirable Dust. WEL: Workplace Exposure Limit (UK HSE EH40)

Note: For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority

8.1.2 Biological limit value

Not applicable.

8.1.3 PNECs and DNELs

Not applicable. A REACH chemical safety assessment has not been carried out.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure adequate ventilation. Atmospheric levels should be controlled in compliance with the occupational exposure limit. Avoid dust generation.

8.2.2 Individual protection measures, such as personal protective equipment (PPE)

Use personal protective equipment as required. Wash contaminated clothing before reuse. Avoid contact with skin and eyes. Avoid dust generation. Do not breathe dust.

Eye/ face protection



Wear eye protection with side protection (EN166).

Skin protection



Use skin barrier cream before handling the product. Wear suitable gloves if prolonged skin contact is likely - Wear impervious gloves (EN374).

Respiratory protection



Atmospheric levels should be controlled in compliance with the occupational exposure limit. In case of inadequate ventilation wear respiratory protection. Recommended: Half-face mask (DIN EN 140), Filter type P2/P3 - efficiency of at least 90%

Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Avoid wind dispersal.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	White to off white powder
Odour	Odourless
Odour threshold	Not available.
pH	7 (10% Suspension)
Melting point/freezing point	> 800° C
Initial boiling point and boiling range	Not applicable
Flash point	Non-flammable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Non-flammable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	2.3 g/cm ³ (H ₂ O = 1)
Solubility(ies)	<1% Water Soluble in: Hydrofluoric Acid
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable
Decomposition Temperature	Not available.
Viscosity	Not applicable, Solid.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Particle characteristics	Not available.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Stable under normal conditions.
10.4 Conditions to avoid	Avoid contact with: Hydrofluoric Acid. Do not leave in enclosed spaces when mixed with highly flammable material, as heat can build up over long periods of time and flammable material may eventually ignite.
10.5 Incompatible materials	Reacts violently with - Hydrofluoric Acid
10.6 Hazardous decomposition product(s)	No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined

in Regulation (EC) No 1272/2008

Acute toxicity

Ingestion

Based upon the available data, the classification criteria are not met.

Inhalation

Based upon the available data, the classification criteria are not met.

Skin Contact

Based upon the available data, the classification criteria are not met.

Eye Contact

Based upon the available data, the classification criteria are not met.

Skin corrosion/irritation

Based upon the available data, the classification criteria are not met.

Serious eye damage/irritation

Based upon the available data, the classification criteria are not met.

Respiratory or skin sensitization

Based upon the available data, the classification criteria are not met.

Germ cell mutagenicity

Based upon the available data, the classification criteria are not met.

Carcinogenicity

Based upon the available data, the classification criteria are not met.

Reproductive toxicity

Based upon the available data, the classification criteria are not met.

STOT - single exposure

Based upon the available data, the classification criteria are not met.

STOT - repeated exposure

Based upon the available data, the classification criteria are not met.

Aspiration hazard

Based upon the available data, the classification criteria are not met.

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11.2 Information on other hazards
11.2.1 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Not classified as a Marine Pollutant.
12.2 Persistence and degradability	Not applicable.
12.3 Bioaccumulative potential	The product has no potential for bioaccumulation.
12.4 Mobility in soil	The product is predicted to have low mobility in soil.
12.5 Results of PBT and vPvB assessment	This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.
12.6 Endocrine disrupting properties	This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria
12.7 Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of empty containers and wastes safely. Dispose of contents in accordance with local, state or national legislation.
13.2 Additional Information	Packaging waste: Remove all packaging for recovery or disposal. Make sure that packaging is completely empty before recycling. Inform consumer about possible hazards of unclean empty packaging for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

ADR/RID / IMDG / ICAO/IATA

14.1 UN number or ID number	Not applicable.
14.2 UN proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	Not classified as a Marine Pollutant.
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Perlite , No special measures are required.
14.8 Additional Information	None.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	
Authorisations and/or Restrictions On Use	None.
15.1.2 National regulations	
Germany	Water hazard class: nwg
15.2 Chemical Safety Assessment	A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

References: Existing Safety Data Sheet (SDS): Perlite, CAS No. 93763-70-3

Training advice: According to appropriate national legislation

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LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic
OECD	Organisation for Economic Cooperation and Development

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Not applicable. A REACH chemical safety assessment has not been carried out.