



Dicalite Milled Expanded Perlite / Dicalite Agents GPE /Dicalite Expanded Perlite_All grades

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 1994/03/15

Revision date: 2020/01/02

Supersedes: 2016/11/03

Version: 9.0

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

1.1. Product identifier

Product form	: Substances
Trade name	: Dicalite Milled Expanded Perlite / Dicalite Agents GPE /Dicalite Expanded Perlite_All grades
Chemical name	: Perlite
EC-No.	: 618-970-4
CAS-No.	: 93763-70-3
Product code	: 350/536
Type of product	: Inorganic compounds
Product group	: Trade product

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

1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use
Industrial/Professional use spec	: Chemical
Use of the substance/mixture	: Filtering and filling Filter aid
Function or use category	: Fillers

1.2.2. Uses advised against

Restrictions on use	: Any other intended applications should be discussed with the manufacturer
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1.3. Details of the supplier of the safety data sheet

Manufacturer

Dicalite Europe nv

Scheepzatestraat 100

B-9000 Gent

Tel.: +32-9 250 95 50

Fax: +32-9 250 95 59

e-mail: sales@dicalite-europe.com website: www.dicalite-europe.com

SDS responsible:

Tim Neyt

Customer Service Manager

Tel.: +32-9 250 95 63

E-mail: sales@dicalite-europe.com

1.4. Emergency telephone number

Emergency number	: +32 -9 250 95 50 (8.00-17.00) +32 477 424 783 (17.00-8.00) Mr. Tim Neyt Company
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

Dust may cause mechanical irritation.

2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3. Other hazards

Other hazards not contributing to the classification	: Does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice and that precautions are taken to avoid the inhalation of dust. Dust may cause mechanical irritation. May cause irritation to the respiratory tract. May be slightly irritating to skin and eyes.
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SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Exempted from REACH regulation, Annex V

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dicalite Milled Expanded Perlite / Dicalite Agents GPE /Dicalite Expanded Perlite _All grades	(CAS-No.) 93763-70-3 (EC-No.) 618-970-4	≈ 100	Not classified

Comments : Silica, respirable crystalline
<0,1% fine fraction

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.
First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact : Wash with water and soap as a precaution. Take off contaminated clothing and wash before reuse.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub eyes, cornea damage possible. Obtain medical attention if pain, blinking or redness persists. Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion : Rinse mouth out with water.

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

Symptoms/effects : Dust may cause mechanical irritation.
Symptoms/effects after inhalation : Cough.
Symptoms/effects after skin contact : Dust may cause mechanical irritation.
Symptoms/effects after eye contact : redness, pain, mild eye irritation. Mechanical irritation.

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

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : The product is not flammable. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not combustible.
Explosion hazard : None known.
Reactivity in case of fire : None known.
Hazardous decomposition products in case of fire : None known.

5.3. Advice for firefighters

Precautionary measures fire : No special technical protective measures required. Approach from upwind.
Firefighting instructions : Personal protection during fire fighting.
Protection during firefighting : Measures in case of dust release. Wear self-contained breathing apparatus and protective suit (see section 8).
Other information : Avoid dust formation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust formation. Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust). Concerning personal protective equipment to use, see section 8.

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6.1.1. For non-emergency personnel

- Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".
Measures in case of dust release : In case of dust production: keep upwind.

6.1.2. For emergency responders

- Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

No special technical protective measures required.

6.3. Methods and material for containment and cleaning up

- For containment : Powdered form: no compressed air for pumping over. Dust binding agents. Collect all waste in suitable and labelled containers and dispose according to local legislation.
Methods for cleaning up : Handling large quantities of product: Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Take up large spills with pump or vacuum.
Other information : Avoid dust formation. Avoid static electricity discharges.

6.4. Reference to other sections

Reference to other sections (8, 13). SECTION 7.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Use personal protective equipment as required. No specific measures are required if the product is handled in accordance with the general rules of occupational hygiene and safety.
Precautions for safe handling : Avoid contact with skin and eyes. Avoid dust formation. Ensure there is adequate ventilation. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Refer to: Exposure guidelines. Handle in accordance with good industrial hygiene and safety procedures.
Hygiene measures : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Use grounded electrical/mechanical equipment. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Storage conditions : All containers must be labelled to warn against exposure. Store in dry protected location to prevent any moisture contact. Keep container tightly closed to avoid moisture absorption and contamination.
Incompatible products : Keep away from : Strong acids. Strong bases. Oxidizing agent. Reducing agent. Water. Hydrofluoric Acid.
Heat and ignition sources : Protect from heat and direct sunlight.
Information on mixed storage : Odour agents.
Storage area : Keep container in a well-ventilated place.

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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EU	IOELV TWA (mg/m ³)	5 mg/m ³ respirable dust;/10mg/m ³ ; inhalable dust
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European Union Legislation : Components with occupational exposure limits

8.2. Exposure controls

Appropriate engineering controls:

General exposure limit for inhalable particulate matter. Ventilation, local exhaust, or breathing protection.

Personal protective equipment:

Dust formation: dust mask. Dustproof clothing. In case of dust production: protective goggles. Gloves.

Hand protection:

Standard EN 388 - Protective gloves against mechanical risk. Barrier cream

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Eye protection:

In case of dust production: protective goggles. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure

Skin and body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust)

Respiratory protection:

Dust formation: dust mask. Wear a full face respirator conforming to EN136 with Type A/P2 filter or better



Thermal hazard protection:

No special technical protective measures required.

Environmental exposure controls:

Assure that emissions are compliant with all applicable air pollution control regulations.

Other information:

Do not breathe dust.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: White to off-white.
Odour	: odourless.
Odour threshold	: not applicable, odour not perceivable
pH	: Not applicable
pH solution	: 100 (5,5 - 9) g/l
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 100 - 180 kg/m ³
Solubility	: Water: Insoluble
Log Pow	: Not applicable
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Not explosive.
Oxidising properties	: Not applicable.
Explosive limits	: Not applicable

9.2. Other information

Softening point	: > 800 °C
Bulk density	: Not determined

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Other properties	: If necessary, information on other physical and chemical parameters is indicated in this section.
Additional information	: No further information available.. (Read the technical data sheet). Specifications and technical informations on the product may be obtained by your dealer

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Polymerisation: none.

10.4. Conditions to avoid

Moisture.

10.5. Incompatible materials

Oxidizing agent. Acids. Hydrofluoric Acid.

10.6. Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: Silica dust (inert - but may irritate respiratory tract and eyes).
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Additional information	: Repeated or prolonged contact may cause slight irritation to the skin
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Additional information	: May cause slight irritation to eyes
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: May cause slight irritation
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Conclusive but not sufficient for classification)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Potential adverse human health effects and symptoms	: Dust may cause mechanical irritation.
Other information	: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008. Not expected to present a significant hazard under anticipated conditions of normal use.
Ecology - air	: Not determined.
Ecology - water	: No data available on ecotoxicity. The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants. Avoid discharge of the product as is into the environment.

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- Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
- Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

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Persistence and degradability	Not applicable for inorganic substances.
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12.3. Bioaccumulative potential

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Log Pow	Not applicable
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

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Mobility in soil	Not determined
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

- Other adverse effects : When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- Additional information : Avoid undiluted product to come into sewer or superficial water

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
- Waste treatment methods : Collect all waste in suitable and labelled containers and dispose according to local legislation.
- Sewage disposal recommendations : Do not discharge into drains or the environment.
- Product/Packaging disposal recommendations : Uncontaminated packaging can be re-used. Dispose in a safe manner in accordance with local/national regulations.
- Additional information : Handle uncleaned empty containers as full ones. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

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- Inland waterway transport

Not regulated

- Rail transport

Not regulated

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Dicalite Milled Expanded Perlite / Dicalite Agents GPE /Dicalite Expanded Perlite_All grades is not on the REACH Candidate List

Dicalite Milled Expanded Perlite / Dicalite Agents GPE /Dicalite Expanded Perlite_All grades is not on the REACH Annex XIV List

Dicalite Milled Expanded Perlite / Dicalite Agents GPE /Dicalite Expanded Perlite_All grades is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Dicalite Milled Expanded Perlite / Dicalite Agents GPE /Dicalite Expanded Perlite_All grades is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and prohibition regulations

: If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

15.1.2. National regulations

No additional information available

Users should ensure that they comply with any relevant local, provincial or national legislation.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Revised SDS according to Commission Regulation (EU) N°2015/830. Revision - See : *.

Section	Changed item	Change	Comments
1.1		Added	
2.3		Added	
8	EU Regulatory Information	Added	
11	Toxicological information	Added	
12.	Ecological information	Added	
13		Added	
15	National regulations	Added	

Abbreviations and acronyms:

ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
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
EC50	Median effective concentration
LOAEL	Lowest Observed Adverse Effect Level
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association

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IARC	International Agency for Research on Cancer
LC50	Median lethal concentration
LD50	Median lethal dose
TLM	Median Tolerance Limit
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Manufacturer/Supplier. Authoring: Quick.MSDS Sprl - Belgium info@quickmsds.de +32 (0) 479 469 465.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging and in line with the expectations of a professional user.

Other information : No further information available.

MSDS EU (REACH Annex II)_JBO

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.