

Percolite[®]

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

1.1 Product Identifier

Product number and name	99101 PERCOLITE PF10, 20kg bag 99104 PERCOLITE PF40, 20kg bag 99105 PERCOLITE PF50, 20kg bag 99106 PERCOLITE PF60, 20kg bag 99107 PERCOLITE PF70, 20kg bag 99108 PERCOLITE PF80, 20kg bag
Product type	Perlite, expanded

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

Relevant identified uses	Filter aid
Uses advised against	No specific uses advised against. Avoid eye contact, inhalation of vapours or ingestion.

1.3 Details of Supplier of Safety Data Sheet

Manufactured by	Pratley Perlite Mining Company (Proprietary) Ltd 14 Jackson Street, Factoria, Krugersdorp, 1745 South Africa Tel: +27-11-955-2190 Fax: +27-11-955-3918 www.pratleyadhesives.com
Supplied in South Africa by	Pratley (Proprietary) Ltd 14 Jackson Street, Factoria, Krugersdorp, 1745 South Africa Tel: +27-11-955-2190 Fax: +27-11-955-3918 sales@pratley.com www.pratleyadhesives.com
Supplied outside South Africa by	Pratley Exporting (Proprietary) Ltd 14 Jackson Street, Factoria, Krugersdorp, 1745 South Africa Tel: +27-11-955-2190 Fax: +27-11-955-3918 exports@pratley.com www.pratleyadhesives.com

1.4 Emergency Telephone Number

South Africa +27-11-955-2190 during office hours

10117 All emergencies

+27-21-689-5227 Poisons Information Centre

Europe 112 All emergencies

For detailed poison information, the national poison centre, if available, should be contacted.

United Kingdom 999 All emergencies

111 (NHS, England, NHS 24, Scotland or NHS Direct, Wales),

0808 808 8000 (Lifeline, N. Ireland)

01 809 2166 (National Poison Information Centre, Republic of Ireland)

Australia 000 All emergencies

13 11 26 NSW Poison Information Centre

New Zealand 111 All emergencies

0800 764 766 National Poisons Centre (poisons@otago.ac.nz)

Americas 911 All emergencies

1-800-222-1222 Poisons Help (PoisonHelp.org)

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification

NOT CLASSIFIED AS HAZARDOUS.

2.1.2 Additional Information

None known.

2.2 Label Elements

No Precautionary Statements are required on the label..

2.3 Other Hazards

Temporary mechanical abrasion of skin, eyes and respiratory tract may occur upon exposure. Abrasion effects should subside after cessation of exposure.

Airborne respirable dust may be generated during handling and use. Dust may contain crystalline silica at <0.1%.

Prolonged and or massive inhalation of respirable silica may cause lung fibrosis, commonly referred to as silicosis.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances**

Hazardous Ingredients	% [weight]	CAS No. EC No. Index No.	SCL, M-Factors, ATE	Classification	H / EUH Code(s)
Perlite, expanded	100	93763-70-3 618-970-4		Not classified as hazardous	

SECTION 4 – FIRST AID MEASURES**4.1 Description of First Aid Measures**

SKIN Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

EYE Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

INHALATION Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt, or waistband.

INGESTION Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt, or waistband.

4.2 Most important symptoms and effects, both acute and delayed

SKIN No known significant effect or critical hazards. May cause irritation.

EYE No known significant effect or critical hazards. May cause irritation.

INHALATION No known significant effect or critical hazards. May cause irritation.

INGESTION No known significant effect or critical hazards.

SECTION 5 – FIRE FIGHTING MEASURES**5.1 Extinguishing Media**

SUITABLE Use measures appropriate to local circumstances and the surrounding environment.

NOT SUITABLE None known.

5.2 Special Hazards arising from the Substance or Mixture

HAZARDS FROM THE SUBSTANCE / MIXTURE No known significant hazards.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS No known hazardous combustion products.

The information provided is correct to the best of our knowledge. The information is designed only as a guide and is not considered as a warranty. We do not accept any liability arising from the use of information provided herein.

5.3 Advice for Firefighters

SPECIAL PRECAUTIONS FOR FIREFIGHTERS Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation.

6.1.1 For non-emergency personnel

Wear appropriate personal protective equipment. Collect and dispose of as soon as possible.

SKIN General purpose non-permeable gloves and overalls.

FACE / EYES Safety goggles.

CLOTHING No special requirements. Wash clothing thoroughly if contaminated.

VENTILATION Avoid dust formation. If ventilation is poor use a self-contained breathing apparatus.

6.1.2 For emergency personnel

Wear appropriate personal protective equipment. Collect and dispose of as soon as possible.

SKIN General purpose non-permeable gloves and overalls.

FACE / EYES Safety goggles.

CLOTHING No special requirements. Wash clothing thoroughly if contaminated.

VENTILATION Avoid dust formation. If ventilation is poor use a self-contained breathing apparatus.

6.2 Environmental Precautions

No significant environmental impact.

6.3 Method and material for containment and cleaning up

6.3.1 Containment procedure

No special containment procedures should be needed.

6.3.2 Clean-up procedure

Sweep up. Avoid generating dust.

6.3.3 Additional Information

See SECTION 13 for disposal considerations.

6.4 Reference to other sections

See SECTION 13 for disposal considerations.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for Safe handling

7.1.1 Recommendations for safe handling and storage

Do not eat, drink or smoke where this material is stored. Avoid release to the environment. Keep in the original container and keep tightly closed when not in use.

7.1.2 Advice on general occupational hygiene

Put on appropriate personal protective equipment (see SECTION 8). Do not eat, drink, or smoke when working with this material. Wash hands and face before eating, drinking, or smoking. Do not get in eyes. Avoid skin contact as much as possible. Do not ingest.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in the original container protected from sources of ignition or direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials, food and drink. Do not freeze. Keep container tightly closed and sealed until ready to use. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Incompatible Materials: None known

Packaging Material: Use original container.

7.3 Specific end use(s)

Not applicable.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control Parameters

The DNEL (Derived No-Effect Level) for humans by inhalation, ingestion and dermal routes of exposure and the PNEC (Predicted No-Effect Concentration) for environmental exposure given below are not intended to be directly used for setting workplace or general population exposure limits. Due to differences in calculation methodology the DNEL will tend to be lower (sometimes significantly) than any corresponding health based-OEL for that chemical substance. Further, although DNELs (and PNEC's) are an indication of setting risk measures, it should be recognized that these limits do not have the same regulatory application as officially endorsed government OELs.

No DNEL or PNEC values are known for the ingredients.

OHSA PEL: 15mg/m³ (total dust) and 5mg/m³ (respirable fraction) measured as an 8 hour TWA for dusts with <1% silica.

OHSA PEL: 50µg/m³ (respirable silica dust ≤0.5µm) as an 8 hour TWA.

8.2 Exposure Controls

8.2.1 Appropriate engineering controls

Use closed apparatus if possible. Use local exhaust ventilation if release of the material cannot be prevented.

Ensure adequate ventilation, do not breathe dusts; consider emission limits (see Section 8.1).

8.2.2 Personal Protection

Skin General purpose non-permeable gloves and overalls.

Face / Eye Avoid eye contact. Do not touch or rub eyes after contact with product. Wash hands thoroughly with soap and water first.

Inhalation. Use outdoors or in a well-ventilated area. For dust concentrations above the exposure limits, use a P2 type dust mask or respirator.

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Ingestion Do not eat, drink, or smoke while working with this product. Wash hands thoroughly with soap and water after using this product. Keep away from children.

Thermal None required when used as instructed.

Other Always wash hands with soap and water after use.

8.2.3 Environmental Protection

No significant environmental impact.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 information on physical and chemical properties

Physical State	Powder
Colour	White to off-white
Odour	Not determined
Melting point / Freezing point (°C)	>1030°C
Boiling point, initial and range (°C)	No data available.
Flammability	Not flammable.
Explosion / Flammability limits	No data available.
Flash point (°C), closed cup	No data available.
Auto-ignition temperature (°C)	No data available.
Decomposition temperature (°C)	No data available.
pH	6-8 (10% aqueous solution)
Kinematic Viscosity (at 23°C)	Not applicable.
Solubility	Practically insoluble.
Partition co-efficient : n-octanol / water	No data available.
Vapour pressure	No data available.
Density and/or Relative density (at 23°C)	2.2-2.4 g/cm ³
Relative Vapour density	No data available.
Particle characteristics	Typical particle size by laser diffraction. 10% variation is considered normal.
	PF10: D50 = 10µm
	PF40: D50 = 50µm
	PF50: D50 = 60µm
	PF60: D50 = 75µm
	PF70: D50 = 90µm
	PF80: D50 = 110µm

9.2 Other information

9.2.1 Information with regards to physical Hazard Classes

No additional information available.

9.2.2 Other Safety Characteristics

No additional information available.

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

Unlikely to react under normal conditions of storage and use.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

Hazardous reactions may occur under certain conditions of storage or use.

10.4 Conditions to Avoid

No data available.

10.5 Incompatible Materials

Reactive or incompatible with the following materials: None known.

10.6 Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 – TOXOLOGICAL INFORMATION

11.1 Information on Hazard Classes

No information available as ingredients not classified as hazardous.

11.2 information on Other Hazards

11.2.1 Endocrine Disrupting Properties

Not listed as an endocrine disruptor on EDL List I (identified) List II (under evaluation for) or List III (has ED properties).

11.2.2 Other Information

No additional information available.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity

Not classified as hazardous.

Please see Section 8.1 for PNECs on individual ingredients.

12.2 Persistence and Biodegradability

No data available.

12.3 Bioaccumulative Potential

No data available.

12.4 Mobility in Soil

Mobile in soil.

12.5 Results of PBT and vPvB assessment

No PBT or vPvB assessment has been carried out.

12.6 Endocrine Disrupting Properties

No data available.

12.7 Other Adverse Effects

None known.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

CONTAIN Avoid dust generation. Wear appropriate PPE (See Section 6). Sweep and scoop up into an appropriate container for disposal.

DISPOSAL Mix with soil. Where possible, recycling is preferred to disposal or incineration. Dispose of in accordance with local regulations.

EWC 15 02 WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED: absorbents, filter materials, wiping cloths and protective clothing

15 02 02 (if contaminated with hazardous material)

15 02 03 (if not classed as 15 02 02)

SECTION 14 – TRANSPORT INFORMATION

Since this product is NOT CLASSIFIED AS HAZARDOUS, there is no applicable UN Number (14.1), Proper Shipping Name (14.2), Transport Hazard Class (14.3) or Packing Group (14.4).

14.5 Environmental Hazards

Not classified as hazardous to the environment.

14.6 Special Precautions for User

None known.

14.7 Maritime Transport in Bulk According to IMO instruments

Not applicable as never transported in bulk.

SECTION 15 – REGULATORY INFORMATION

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

REACH EC1907/2006 Annex XIII, XIV, XVII The substance(s) in this product are not listed / not subject to restrictions.

International Agency for Research on Cancer (IARC) The substance(s) in this product are not listed / not subject to restrictions.

Australia Inventory of Industrial Chemicals (AIIC) The substance(s) in this product are listed.

New Zealand Inventory (NZIoC) The substance(s) in this product are listed.

Canada Domestic Substances List (DSL) / Non-Domestic Substance List (NDSL) The substance(s) in this product are listed.

United States Inventory (TSCA 8b)

California Proposition 65 The substance(s) in this product are not listed / not subject to restrictions.

Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-to-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and Section 112 and of the Clean Air Act (CAA) The substance(s) in this product are not listed / not subject to restrictions.

15.2 Chemical Safety Assessment

Not yet done.

SECTION 16 – OTHER INFORMATION

Changes from previous version:

Date changed	Section	Changes
2022.02.09		1 Removed Percolite PF20 and Percolite PF30 as these grades have been discontinued. 8 PEL values for dusts added. 9 Different information required. Particle characteristics added.
2020.02.04	2, 3, 8, 11	Re-evaluated hazard after additional training and compliance with Regulation (EU) 2020/878. 1 Confirmed emergency contact details. 15 Confirmed regulatory information and added information for several regulations. 16 Added abbreviations used.
2020.09.30		Change of logo
2019.06.28		Initial document

Abbreviations used:

ADN	European Agreement concerning the International Carriage of Dangerous Goods on Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CAS No.	Chemical Abstract Services Number
DNEL	Derived no-effect level
EC3	Effective concentration required to produce a three-fold increase in the stimulation index
EC No.	European Community Number

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ECHA	European Chemicals Agency
EWC	European Waste Code
GCL	Generic concentration limit
GLP	Good Laboratory Practice
HSNO	Hazardous Substances and New Organisms Act
IATA	International Air Transport Association
IBC	International Bulk Container
ICAO	International Civil Aviation Authority
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LD50	Lethal dose to 50% of test population
LLNA	Local lymph node assay
LT	Long term
mg/kg bw	milligrams per kilogram of body weight
mg/kg dwt	milligrams per kilogram dry weight
NOAEL	No observed adverse effect level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
PNEC	Predicted no-effect concentration
RID	European Agreements Concerning the International Carriage of Dangerous Goods by Rail
SCBA	Self-contained breathing apparatus
SCL	Specific Concentration Limit
ST	Short term
STOT-SE	Specific target Organ Toxicity - Single Exposure
TWA	Time Weighted Average
UN	United Nations
vPvB	very Persistent and very Bioaccumulative