



SAFETY DATA SHEET

SECTION 1 – Identification		
Product Number and Name	99040 Perlite Grade 45	
Recommended use	Insulation	
Mined and processed by	Pratley Perlite Mining Company (Pty) Ltd Jackson Street, Fectoria, Krugersdorp, South Africa, 1745 Tel: +27-11-955-2190 Fax: +27-11-955-3918 www.pratley.com	
Emergency Telephone Number	+27-11-955-2190 (office hours only)	
Sold By	Pratley (Pty) Ltd	
Street address	Jackson Street, Fectoria, Krugersdorp, South Africa, 1745	
Contact details	Tel: +27-11-955-2190 Fax: +27-11-955-3918 www.pratley.com	
Emergency Telephone Number	011-955-2190 during office hours 021-689-5227 after work hours (Poisons Information Centre)	
SECTION 2 – Hazards Identification		
Classification	Not hazardous.	
Hazard Statements	Nuisance dust. Do not breathe dust. May cause mild skin, eye and respiratory system irritation.	
Precautionary Statements	Wash thoroughly after handling. If irritation persists, seek medical advice.	
Other Hazards	None known	
SECTION 3 – Composition / Information on Ingredients		
Ingredients	%	CAS#
Expanded perlite (amorphous volcanic glass)	100	93763-70-3
SECTION 4 – First Aid Measures		
Skin	After contact with skin, wash thoroughly with plenty of soap and water. If irritation persists, seek medical attention.	
Eye	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.	
Inhalation	Allow the victim to rest in a well-ventilated area. Loosen clothing to enhance breathing. Seek medical attention if irritation becomes painful or persists.	

Ingestion	Not hazardous. Dilute by drinking two glasses of water.	
Note to physician	Treat symptomatically and supportively.	
SECTION 5 – Fire Fighting Measures		
Flammability	Not flammable.	
Auto-ignition Temperature (°C)	Not done	
Explosion Limits:	Not done	
Suitable extinguishing media	Use water spray, fog or foam.	
Hazardous combustion products	None	
Protective action for fire-fighters	Wear OSHA approved dust mask to avoid nuisance dust.	
SECTION 6 – Accidental Release Measures		
Emergency procedure	None required.	
Protective equipment required	Skin	Gloves to avoid nuisance dust.
	Face / Eyes	Protective goggles to avoid nuisance dust.
	Clothing	No specific requirements
	Ventilation	Wear OSHA approved dust mask to avoid nuisance dust.
Environmental precautions	None	
Containment procedure	Sweep or vacuum up in such a way as to avoid nuisance dust.	
Clean-up procedure	In accordance with local regulations.	
SECTION 7 – Handling and storage		
Handling	Work in a well-ventilated area. Wash hands with soap and water after use.	
Storage requirements	Keep container tightly sealed in a cool, dry place.	
Conditions to avoid	None	
Incompatible materials	Strong oxidizing agents, concentrated acids.	
SECTION 8 – Exposure Control / Personal Protection		
Exposure Limits	ACGIH TLV	Not done <i>For a nuisance dust</i> <i>10mg/m³ (inhalable particles)</i>
	OSHA PEL	Not done <i>For a nuisance dust</i> <i>5mg/m (respirable fraction)</i> <i>15mg/m³ (total dust)</i>

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	The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.	
Engineering controls	Ensure adequate ventilation. Provide local exhaust ventilation or other engineering controls if the potential for nuisance dust generation exists.	
Personal Protective Equipment	Skin	If the potential for abrasive irritation exists, use gloves.
	Face / Eye	If the potential for abrasive irritation exists, use protective goggles.
	Inhalation	Use an OSHA approved dust mask and work in a well-ventilated area.
	Ingestion	No specific requirements.
	Other	Always wash hands with soap and water after use.
SECTION 9 – Physical and Chemical Properties		
Appearance	Fluffy white particulate	
Odour	Odourless	
Odour threshold	Not done	
pH	Not done	
Melting / Freezing point	>1000°C	
Boiling point (initial)	Not applicable	
Boiling range	Not applicable	
Flash point (closed cup)	None	
Evaporation rate	Not applicable	
Flammability	Not flammable	
Flammability limits	Not applicable	
Vapour pressure	Not done	
Vapour density	Not done	
Relative density	0.05 - 0.3 kg/L	
Solubility	Insoluble in water	
Partition co-efficient: n-octonal / water	Not available	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	

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Viscosity	Not applicable
SECTION 10 – Stability and Reactivity	
Reactivity	This product is stable
Chemical stability	Stable under normal conditions
Possibility of hazardous reactions	Unlikely
Conditions to avoid	None specified
Incompatible materials	None
Hazardous decomposition products	None
SECTION 11 – Toxicological Information	
Acute toxicity	No data available
Skin corrosion / irritation	Based on human experience; mild-irritant.
Serious eye damage / irritation	Based on human experience; mild-irritant
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT – single exposure	No data available
STOT – repeated exposure	No data available
Aspiration hazard	No data available
SECTION 12 – Ecological Information	
Toxicity	No data available.
Persistence and degradability	No data available.
Bio-accumulative potential	Will accumulate but is not hazardous.
Mobility in soil	Not mobile.
Other adverse effects	No data available
SECTION 13 – Disposal Considerations	
Spills	Sweep or vacuum up and dispose of in accordance with local regulations.
Special precautions- incineration	Avoid dust generation. Wear OSHA approved dust mask. See Section 5 – Fire Fighting Measures.
Special precautions for landfill	None known
Disposal container	Not available

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SECTION 14 – Transport Information		
UN Number	Not classified as hazardous	
UN Proper Shipping Name	-	
Transport Hazard Class	-	
Packing Group	-	
Environmental Hazard	-	
Special precautions	None specified	
MARPROL 73/78	No data available	
IBC Code	Not applicable	
Tariff code	6806.20.0000	
SECTION 15 – Regulatory Information		
Montreal Protocol	No data available	
Stockholm Convention	No data available	
Rotterdam Convention	No data available	
Safety Regulations	Keep containers tightly sealed.	
Health Regulations	Nuisance dust. Do not breathe dust. May cause mild skin, eye and respiratory system irritation.	
Environmental Regulations	None	
SECTION 16 – Other Information		
Changes from previous version	Changed tariff code	
Key to abbreviations	UN	United Nations
	MARPROL	International Convention for the prevention of Pollution from Ships
	IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code)
	Montreal Protocol	Montreal Protocol on Substances that deplete the Ozone Layer
	Stockholm Convention	Stockholm Convention on Persistent Organic Pollutants
	Rotterdam Convention	Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade

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