

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

1.1 Product identifier

Name PAVETUF MORTAR GUN METAL GREY
Code PTJMSGUNMETALGREY

1.2 Relevant identified uses of the substance or mixture and uses advised against No specific uses advised against are identified.

1.3 Company identification Natural Paving Products (UK) Ltd
Belton Road
Sandtoft
Doncaster
North Lincolnshire
DN8 5SX
Tel: 0330 333 8030
Fax: 0330 333 8040
Email: marketing@naturalpaving.co.uk

1.4 Emergency tel 0330 333 8030

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human health Skin Irrit. 2 - H315;
Eye Dam. 1 - H318;
Skin Sens. 1 - H317;
STOT SE 3 - H335

Environment Not classified.

Classification (1999/45/EEC) Xi;R37/38, R41. R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health See section 11 for additional information on health hazards.

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

2.2 Label Elements

Contains PORTLAND CEMENT

Label In Accordance With (EC) No. 1272/2008



Signal Word

Hazard Statements

H315

H317

H318

H335

Precautionary Statements

P271

P280

P305+351+338

P501

Danger

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

May cause respiratory irritation.

Danger

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container in accordance with local regulations.

Supplementary Precautionary Statements

P272

Contaminated work clothing should not be allowed out of the workplace.

P261

Avoid breathing vapour/spray.

P264

Wash contaminated skin thoroughly after handling.

P321

Specific treatment (see medical advice on this label).

P302+352

IF ON SKIN: Wash with plenty of soap and water.

P304+340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310

Immediately call a POISON CENTER or doctor/physician.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P332+313

If skin irritation occurs: Get medical advice/attention.

P333+313

If skin irritation or rash occurs: Get medical advice/attention.

P362

Take off contaminated clothing and wash before reuse.

P363

Wash contaminated clothing before reuse.

P403+233

Store in a well-ventilated place. Keep container tightly closed.

P405

Store locked up.

2.3 Other hazards

Not Classified as PBT/vPvB by current EU criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

BLACK PIGMENT		< 1 %
CAS-No.: 1133-86-4	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
CALCIUM SULFOALUMINATE		1-10%
CAS-No.: 12004-14-7	EC No.:	
Classification (EC 1272/2008) Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R41.	
HIGH ALUMINA CEMENT		1-10%
CAS-No.:	EC No.:	
Classification (EC 1272/2008) Eye Dam. 1 - H318, H319 Eye Irrit. 2 - H318, H319 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R41,R36/37.	
Lignosulphate		< 1 %
CAS-No.: 8061-52-7	EC No.: 232-506-4	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	

PORTLAND CEMENT		10-30%
CAS-No.: 65997-15-1	EC No.:	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin Irrit. 2 - H315	Xi;R37/38,R41.	
Eye Dam. 1 - H318	R43.	
Skin Sens. 1 - H317		
STOT SE 3 - H335		
Quartz		10-30%
CAS-No.: 14808-60-7	EC No.: 238-878-4	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Not classified.	Not classified.	
SILICA SAND		30-60%
CAS-No.: 14808-60-7	EC No.: 238-878-4	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Not classified.	Not classified.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4 FIRST AID MEASURES

4.1. Description of first aid measures

General information

Remove affected person from source of contamination.
Contact physician if discomfort continues.

Inhalation

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Do not give victim anything to drink if he is unconscious.



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Skin contact

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

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

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

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

No specific first aid measures noted.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

None under normal conditions.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Not known.

5.3 Advice for fire-fighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

GENERAL. For waste disposal, see section 13.

6.4 Reference to other sections

For personal protection, see section 8. Collect and dispose of spillage as indicated in section 13. See section 11 for more detailed information on health effects and symptoms.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

No specific usage precautions noted.

7.2 Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area.

Storage Class

Unspecified storage.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
BLACK PIGMENT	WEL	3.5 mg/m ³		
HIGH ALUMINA CEMENT		10 mg/m ³		
Lignosulphate		5 mg/m ³		
PORTLAND CEMENT	WEL	10 mg/m ³		
Quartz	WEL	0.3 mg/m ³		
SILICA SAND	WEL	0.3 mg/m ³		

WEL = Workplace Exposure Limit.

Ingredient Comments

No exposure limits noted for ingredient(s).

Lignosulphate (CAS: 8061-52-7)

8.2 Exposure controls

Protective equipment



Engineering measures

Not relevant

Respiratory equipment

No specific recommendations. Respiratory protection may be required.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.





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Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Powder, dust

9.2 Other information

Not available.

10 STABILITY AND REACTIVITY

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical stability

No particular stability concerns.

10.3 Possibility of hazardous reactions

Not applicable.
Hazardous Polymerisation
Unknown.

10.4 Conditions to avoid

Materials To Avoid
No specific, or groups of materials are likely to react to produce a hazardous situation.

10.5 Incompatible materials

Materials To Avoid
No specific, or groups of materials are likely to react to produce a hazardous situation.

10.6 Hazardous decomposition products None under normal conditions.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information No information available.

General information No specific health warnings noted.

Inhalation No specific health warnings noted.

Ingestion May irritate and cause stomach pain, vomiting and diarrhoea.

Skin contact Irritating to skin.

Eye contact Irritating to eyes.

Health Warnings This chemical may cause skin/eye irritation.

12 ECOLOGICAL INFORMATION

Ecotoxicity

There are no data on the ecotoxicity of this product.

12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

Degradability

There are no data on the degradability of this product.

12.3 Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4 Mobility in soil

Mobility: The product is non-volatile.

12.5 Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects

Not available.

13 DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN 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

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

Not applicable.

15 REGULATORY INFORMATION

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

Uk Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.



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Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

National Regulations

Health and Safety at Work Act (As Amended) 1974
Control of Substances Hazardous to Health Regulations
2002 (as amended)

Water hazard classification

N/A.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

16 OTHER INFORMATION

General information

Only trained personnel should use this material.

Issued By

HS&E Manager.

Revision Date

30.03.17

Revision

4

Supersedes date

11/09/2013

Safety Data Sheet Status

Approved.

Risk Phrases In Full

R36/37

Irritating to eyes and respiratory system.

R37/38

Irritating to respiratory system and skin.

R43

May cause sensitisation by skin contact.

NC

Not classified.

R41

Risk of serious damage to eyes.

Hazard Statements In Full

H318

Causes serious eye damage.

H319

Causes serious eye irritation.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H335

May cause respiratory irritation.

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

1.1 Product identifier

Name PAVETUF MORTAR SILVER GREY
Code PTJMSILVERGREY

1.2 Relevant identified uses of the substance or mixture and uses advised against No specific uses advised against are identified.

1.3 Company identification Natural Paving Products (UK) Ltd
Belton Road
Sandtoft
Doncaster
North Lincolnshire
DN8 5SX
Tel: 0330 333 8030
Fax: 0330 333 8040
Email: marketing@naturalpaving.co.uk

1.4 Emergency tel 0330 333 8030

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
Human health Skin Irrit. 2 - H315;
Eye Dam. 1 - H318;
Skin Sens. 1 - H317;
STOT SE 3 - H335
Environment Not classified.

Classification (1999/45/EEC) Xi;R37/38, R41. R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health See section 11 for additional information on health hazards.

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

2.2 Label Elements

Contains PORTLAND CEMENT

Label In Accordance With (EC) No. 1272/2008



Signal Word

Hazard Statements

H315
H317
H318
H335

Danger

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause respiratory irritation.

Precautionary Statements

P271
P280

P305+351+338

P501

Danger

Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Dispose of contents/container in accordance with local regulations.

Supplementary Precautionary Statements

P272	Contaminated work clothing should not be allowed out of the workplace.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+313	If skin irritation occurs: Get medical advice/attention.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

2.3 Other hazards

Not Classified as PBT/vPvB by current EU criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

CALCIUM SULFOALUMINATE	1-10%
CAS-No.: 12004-14-7 EC No.:	
Classification (EC 1272/2008) Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R41.
HIGH ALUMINA CEMENT	1-10%
CAS-No.: EC No.:	
Classification (EC 1272/2008) Eye Dam. 1 - H318, H319 Eye Irrit. 2 - H318, H319 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R41,R36/37.
Lignosulphate	< 1 %
CAS-No.: 8061-52-7 EC No.: 232-506-4	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
PORTLAND CEMENT	10-30%
CAS-No.: 65997-15-1 EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R37/38,R41. R43.

Quartz	10-30%
CAS-No.: 14808-60-7	EC No.: 238-878-4
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
SILICA SAND	30-60%
CAS-No.: 14808-60-7	EC No.: 238-878-4
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4 FIRST AID MEASURES

4.1. Description of first aid measures

General information	Remove affected person from source of contamination. Contact physician if discomfort continues.
Inhalation	Move into fresh air and keep at rest. Get medical attention if any discomfort continues.
Ingestion	Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Do not give victim anything to drink if he is unconscious.
Skin contact	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

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

General information	The severity of the symptoms described will vary dependant of the concentration and the length of exposure.
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4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

None under normal conditions.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Not known.

5.3 Advice for fire-fighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

GENERAL. For waste disposal, see section 13.

6.4 Reference to other sections

For personal protection, see section 8. Collect and dispose of spillage as indicated in section 13. See section 11 for more detailed information on health effects and symptoms.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

No specific usage precautions noted.

7.2 Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area.

Storage Class

Unspecified storage.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
HIGH ALUMINA CEMENT		10 mg/m ³		
Lignosulphate		5 mg/m ³		
PORTLAND CEMENT	WEL	10 mg/m ³		
Quartz	WEL	0.3 mg/m ³		
SILICA SAND	WEL	0.3 mg/m ³		

WEL = Workplace Exposure Limit.

Ingredient Comments

No exposure limits noted for ingredient(s).
Lignosulphate (CAS: 8061-52-7)

8.2 Exposure controls

Protective equipment



Engineering measures Respiratory equipment

Not relevant
No specific recommendations. Respiratory protection may be required.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Powder, dust

9.2 Other information

Not available.

10 STABILITY AND REACTIVITY

10.1 Reactivity	There are no known reactivity hazards associated with this product.
10.2 Chemical stability	No particular stability concerns.
10.3 Possibility of hazardous reactions	Not applicable. Hazardous Polymerisation Unknown.
10.4 Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
10.5 Incompatible materials	Materials To Avoid No specific, or groups of materials are likely to react to produce a hazardous situation.
10.6 Hazardous decomposition products	None under normal conditions.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information	No information available.
General information	No specific health warnings noted.
Inhalation	No specific health warnings noted.
Ingestion	May irritate and cause stomach pain, vomiting and diarrhoea.
Skin contact	Irritating to skin.
Eye contact	Irritating to eyes.
Health Warnings	This chemical may cause skin/eye irritation.

12 ECOLOGICAL INFORMATION

Ecotoxicity	There are no data on the ecotoxicity of this product.
12.1 Toxicity	No information available
12.2 Persistence and degradability	No information available
Degradability	There are no data on the degradability of this product.
12.3 Bioaccumulative potential	Bioaccumulative potential No data available on bioaccumulation.
12.4 Mobility in soil	Mobility: The product is non-volatile.
12.5 Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.
12.6 Other adverse effects	Not available.

13 DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN 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

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

Not applicable.

15 REGULATORY INFORMATION

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

UK Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

National Regulations

Health and Safety at Work Act (As Amended) 1974
Control of Substances Hazardous to Health Regulations 2002 (as amended)

Water hazard classification

N/A.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.



**SAFETY
DATA SHEET**
CODE PTJMSILVERGREY
Revised date: 30.03.17

16 OTHER INFORMATION

General information

Only trained personnel should use this material.

Issued By

HS&E Manager.

Revision Date

30.03.17

Revision

4

Supersedes date

11/09/2013

Safety Data Sheet Status

Approved.

Risk Phrases In Full

R36/37

Irritating to eyes and respiratory system.

R37/38

Irritating to respiratory system and skin.

R43

May cause sensitisation by skin contact.

NC

Not classified.

R41

Risk of serious damage to eyes.

Hazard Statements In Full

H318

Causes serious eye damage.

H319

Causes serious eye irritation.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H335

May cause respiratory irritation.