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Section 1: Identification of the substance/preparation and the company

1.1 Product Identifier:

Product name: Pumice (Grades: NMP-2, NMP-4, NMP-5, NMP-6, NMP-7, NMP-8, NMP-9 & NMP-16; Grains) EC number: 310-127-8
CAS number: 1332-09-8

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

Identified uses: Brewery, Chemical, Construction, Cosmetics, Dental, Food, Glass, Horticultural, Odour Control, Metal Finishing, Paints & Paint auxiliaries, PCB (Cleaning), Pharmaceutical, Water Treatment.

Uses advised against: None

1.3 Details of the supplier of the safety data sheet

Company: Metrodent Limited
Address: Lowergate Works Lowergate, Paddock,
Huddersfield HD3 4EP West Yorkshire
England

Tel: +44 (01) 484 461616
E-mail: sales@metrodent.com

1.4 Emergency telephone number:

Office Hours: +44 (01) 484 461616

Section 2: Hazards Identification

2.1. Classification of the substance or mixture

This material is a substance

Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Not a hazardous substance or mixture according to (EC) 1272/2008 (EU 'CLP' regulation).

2.2. Label elements

Labelling according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

The product does not need to be labelled in accordance with EC directives.



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2.3. Other hazards

None identified

Section 3: Composition and Information on Ingredients

3.1. Substance

This material is a substance

Chemical name	CAS No	EC Number	%	Classification (Regulation (EC) 1272/2008)
Pumice	1332-09-8	310-127-8	100	Not classified

Section 4: First-aid measures

4.1. Description of first aid measures

General advice

Obtain medical advice. Show this safety data sheet to the doctor in attendance. Move the exposed person to fresh air at once. Treat symptomatically.

Inhalation

Move to fresh air. If not breathing provide artificial respiration. Obtain medical assistance.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting. Obtain immediate medical assistance.

Skin contact

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

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

No hazard to be specially mentioned.

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

Treat symptomatically.



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Section 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide (CO₂) or extinguishing media based on surrounding materials.

Unsuitable extinguishing media : Do NOT use water jet

5.2. Special hazards arising from the substances or mixture

Specific hazard during firefighting : The product is not flammable.
Burning produces noxious and toxic fumes.

5.3. Advice for fire fighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus and full protective clothing.

Further information : Standard procedure for chemical fires.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with the skin and the eyes. Do not breathe dust, vapours or mist.

6.2. Environmental precautions

Environmental precautions: Avoid dust dispersion to the environment.
Dust may cause the surroundings to become grey.
Prevent leakages from entering drains and ditches that lead to natural waterways.

6.3. Methods and material for containment and cleaning up

Method for cleaning up: Take up mechanically (e.g. vacuum, sweeping) while minimising dust generation.
Shovel material into sealable suitable containers.

6.4. Reference to any other sections See section 13 for disposal information



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Section 7: Handling and storage

7.1. Precautions for safe handling:

Avoid dust formation during handling. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. In case of insufficient ventilation, wear suitable respiratory equipment.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage : Keep tightly closed in a dry, cool and well-ventilated place. : No

Advice on common storage special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

7.3. Specific end use(s) None

Section 8: Exposure controls/Personal protection

8.1. Control parameters

Contains no substance with occupational exposure limit values. **8.2**

Exposure controls

Engineering measures: Provide adequate ventilation. **Personal protective**

equipment

Industrial hygiene measures: General industrial hygiene practice.

Respiratory protection: Hand No personal respiratory protective equipment normally required. For
protection: prolonged or repeated contact use protective gloves. Safety glasses.

Eye protection: Lightweight protective clothing.

Skin protection:

Environmental exposure controls General

advice: No special environmental precautions required.



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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemicals properties

Form:	solid
Colour:	grey
Odour:	odourless
Odour threshold:	Not applicable.
pH:	6.0 – 6.5
Melting point:	> 1205°C
Boiling point:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability	No data available.
Upper/lower flammability or explosive limits: Vapour pressure:	Not applicable Not applicable.
Vapour density:	Not applicable (stable solid).
Density:	0.400 – 0.900 g/cm ³
Solubility in water:	insoluble
Partition coefficient n-octanol/water: Auto-ignition temperature: Decomposition temperature: Viscosity:	Not applicable Not applicable No data available.
Explosive properties:	Not applicable (solid).
Oxidising properties:	No danger of explosion Not applicable.
Refractive index:	1.5
Hardness:	6 (mohs)

9.2. Other information

No additional data available

Section 10: Stability and reactivity

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.



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10.3. Possibility of hazardous reactions

No hazards to be specifically mentioned.

10.4. Conditions to avoid

No particular incompatibility.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

None under normal conditions.

Section 11: Toxicological information

11.1 Information on toxicological effects

(a) Acute toxicity

LD50 Oral : No data available.

LC50 Inhalation: No data available.

LD50 Dermal: No data available.

(b) Skin corrosion/irritation Not expected to cause irritation.

(c) Serious eye damage/ eye irritation Not expected to cause irritation. Not

(d) Respiratory or skin sensitisation believed to be sensitising.

(e) Germ cell mutagenicity No believed to be mutagenic.

(f) Carcinogenicity No believed to be carcinogenic.

(g) Reproductive toxicity No believed to be reprotoxic.

(h) Specific target organ toxicity – Single exposure No data available.

(i) Specific target organ toxicity – Repeated exposure No data available No

(j) Aspiration hazard data available.

(k) Likely routes of exposure

Inhalation
Ingestion



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Skin

Eyes

(l) Signs and symptoms of exposure

Not data available

(m) Additional information

No data available.

Section 12: Ecological information

12.1. Toxicity

Toxicity to fish: Acute toxicity LC50 Species:
Fish
No data available

Toxicity to daphnia Acute toxicity EC50 Species:
Daphnia magna No data
available

Ecotoxicology Assessment

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2. Persistence and biodegradability

The product is not biodegradable.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility: The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulative nor toxic (PBT).

This substance is not considered to be very persistent nor very bioaccumulative (vPvB)

12.6. Other adverse effects

No data available.



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Section 13: Waste disposal information

13.1. Waste treatment methods

This mineral can be disposed of as a non-toxic/inactive material in approved landfill sites in accordance with local regulations. Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

Product

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

Packaging

Dispose of as unused product.

Section 14: Transport information

14.1. UN number: n/a

	ADR/RID	ADN	IMDG	IATA:
14.2. UN proper shipping name	Not classified as a dangerous good for transport			
14.3. Transport hazard class(s)	n/a	n/a	n/a	n/a
14.4. Packing group	n/a	n/a	n/a	n/a
14.5. Environmental hazards	n/a	n/a	Marine pollutant: No	n/a

14.6. Special precautions for user

None identified

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code No information available

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture None identified

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.



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Section 16: Additional information

This safety advisory document (version 4) is a complete revision of the previous version and contains multiple changes.

ANNEX

Exposure scenarios for this material are not available.

Abbreviations:

(Not all abbreviations are used in this SDS.)

AC	Article category
ADR	European agreement concerning the international carriage of dangerous goods by road
AND	European agreement concerning the international carriage of dangerous goods by inland waterways
BSAF	Bio soil accumulation factor
BCF	Bio concentration factor
CAS	Chemical Abstracts Service Classification,
CLP	labelling and packaging
CMR	Carcinogenic, mutagenic or toxic for reproduction
CSA/CSR	Chemical safety assessment / Chemical safety report Median
D50	particle size
DNEL	Derived no effect level
DSD	Dangerous Substance Directive
EC10	Concentration of a substance where 10% of the population is affected EC50
	Concentration of a substance where 50% of the population is affected ECHA European
	chemicals agency
EINECSEU	list of existing chemical substances EmS
	Emergency schedule Environmental
ERC	release category Exposure scenario
ES	
eSDS	Extended safety data sheet
FOREGS	Forum of European Geological Surveys
GHS	Globally harmonised system
HERAG	Health risk assessment guidance for metals
IATA-DGR	International air transport association - dangerous goods regulations
ICAO	Technical Instructions for the Safe Transport of Dangerous Goods by Air
IU	Identified use
IUPAC	International Union of Pure and Applied Chemistry
IBC code	International code for the construction and equipment of ships carrying dangerous chemicals in bulk
IMDG	International maritime dangerous goods
KP	Partition coefficient
LC10	Lethal concentration of a substance that can be expected to cause death in 10% of the population LC50 Lethal
	concentration of a substance that can be expected to cause death in 50% of the population
LD50	Lethal dose of a substance that can be expected to cause death in 50% of the population
MARPOL 73/78	International convention for the prevention of pollution from ships, 1973 as modified by the protocol of 1978
MMAD	Mass median aerodynamic diameter
NO(A)EC	No observed (adverse) effect concentration
NO(A)EL	No observed (adverse) effect level
OECD	Organisation for economic co-operation and development
OEL	Occupational exposure limit
PBT	Persistent, bioaccumulative, and toxic



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PC Product category
PNEC Predicted no-effect concentration PROC
Process category
REACH Registration, evaluation, authorisation and restriction of chemicals (i.e. Regulation (EC) No. 1907/2006)
RID International rule for transport of dangerous substances by railway Safety
SDS data sheet
STOT Specific target organ toxicant Sewage
STP treatment plant
SU Sector of end use
TWA Time weighted average
vPvB Very persistent, very bioaccumulative

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