Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1. <u>Identification of the Preparation/Supplier reference</u>

Trade Names.

BP1S BP4S BP32S BP35SBP2S BP5S BP33S BP37S

BP3S BP24S BP34S

Chemical name Mixture of chemicals

Synonyms BP5S or BP5P dependent upon supplied form; ready-mixed or powder.
Supplier Bath Potters' Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate

Radstock, Nr Bath. BA3 4XE

Emergency numbers Tel: 01761 411077

Fax: 01761 414155

E-mail: sales@bathpotters.co.uk

2. Composition

Quartz 14808-60-7 2388784 refer to table at the end of this document

Supplied in slop state

organic binders/antibacterial agents are present (concentration of less than <5.0% by weight.)

Supplied as powder All hazards should be considered serious.

3. Health Hazard Identification

Inhalation Excessive exposure to the dust residue of this product may cause irritation of the respiratory tract

and mucous membranes. Prolonged and repeated exposure to silica dust is likely to cause fibrosis of the lungs (silicosis), impaired pulmonary function and cause chronic lung damage. The

manganese dioxide in this product is harmful through prolonged exposure and may reduce fertility

in men. See section 11.

Ingestion Product is of low solubility in body fluids and likely to be of low acute toxicity. The manganese

dioxide in this product is harmful through prolonged exposure and may reduce fertility in men. See

section 11.

Eyes May cause physical irritation and inflammation.

Skin Not a primary irritant, but any abrasive powder may give risk to sensitisation and irritation. Some

cobalt compounds have been shown to cause dermatitis.

4. First Aid Measures

Inhalation Remove patient to fresh air and loosen tight clothing. Keep the patient warm and comfortable

whilst seeking medical attention.

Ingestion Do not induce vomiting. Seek medical advice. If the patient is conscious rinse out

mouth with water, and give 200-300mnl (half a pint) of milk or water to drink.

Eyes Irrigate immediately with copious amounts of water for 15 minutes, paying particular

attention to under the eyelid. Seek medical attention.

Skin Remove contaminated clothing and wash affected areas with soap and water. If irritation

persists seek medical attention.

5. Fire Fighting Measures

Extinguishing Media	Suitable for surrounding fire conditions. The product is not explosive or combu					
	Standard fire fighting techniques only are required, i.e. water, sand, carbon dioxide,					
	chemical foam extinguishers etc.					
	Special Exposure hazard None					
	Personal protective equipment Fire fighters should wear self-contained breathing					
	apparatus					

6. Accidental Release Measures

Leaks & Spills Large spillage of slop materials should be absorbed with an inert material such as sand. Remove any dry

materials either by a vacuum cleaner fitted with an efficient particulate filter, or by wet sweeping to avoid dust. Store collected waste in a suitable closed container before disposal. Small amounts may be run into

drains with plenty of water provided local effluent control limits are adhered to.

Protective equipment Respiratory protective equipment.

7. Handling & Storage

Handling Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the

material. Local exhaust ventilation is recommended to comply with occupational exposure limits (refer to Guidance Note EH4O latest edition). When supplied in a powdered form, it is essential that the bags are resealed immediately after use to avoid the build-up of dust as far as is possible. We strongly recommend conversion to a paste or slurry in order to minimise inhalation hazards.

Storage Store in a cool dry area in sealed containers.

8. Exposure Control/Personal protective Equipment

Engineering controls Adequate ventilation should be provided so that Occupational Exposure Limits are not

exceeded. Local Exhaust Ventilation is normally recommended

Personal protective Where LEV is not practicable and exposure is likely to be excessive,

approved respiratory

equipment protection to CEN standards pr EN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact. Goggles to BS2092

are also recommended if eye contact is at all possible.

9. Physical & Chemical properties

Appearance & Odour Coloured aqueous suspension with a faint chemical odour or, odourless coloured powder

Flash point (°C)
Flammability
Non-flammable
Explosive properties
Oxidising properties
Specific gravity
pH value
Melting point (°C)
Not applicable
Non-explosive
Non-explosive
Non-oxidising
Not known
Not known
Not available

10. Stability & Reactivity

Chemical stability The material is stable

Conditions/materials to avoid Cobalt oxide is soluble in acids and manganese dioxide reacts with peroxides

and easily oxidised matter, however due to the very small amounts of each

oxide present in the product these effects are very unlikely.

Hazardous decomposition products None known Hazardous polymerisation products None known

11. **Toxicology Information**

Acute toxicology LD₅₀ Oral >2000 mg/kg

 LD_{50} Dermal Not known LD_{50} Inhalation Not known

Health effects Excessive exposure to any dust may cause irritation of the respiratory tract and mucous membranes.

Prolonged and repeated exposure to silica dust is likely to cause fibrosis of the lungs (silicosis), impaired pulmonary function and cause chronic lung damage. Manganese Dioxide poisoning is a notifiable industrial disease affecting the central nervous system, its' occurrence is extremely rare and is thought to arise after ingestion of substantial quantities over a prolonged period. Prolonged and repeated exposure to cobalt oxide may cause aggravation of asthma, sensitisation, cancer, blood disorders and damage to the heart, thyroid and pancreas.

12. <u>Ecological information</u>

Ecotoxicity No adverse effects to the environment are expected.

Persistence Chemically stable and will persist in the environment.

13. Disposal

Dispose in accordance with current waste Disposal regulations (for UK. Control of Pollution (Special Waste) Regulations 1980). Landfill is the most appropriate method. Minor amounts may be washed into trade effluent drains provided local effluent control conditions are complied with.

14 <u>Transport Information</u>

UN/SI No. Not classified **UN Class** Not classified Not classified Packing group Road UK Not classified ADR Not classified Sea IMO Not classified Air ICAO Not classified

15. Regulatory information

EC Supply Labelling	Harmful X,
LC Supply Lauching	Hai iiiiui A

R-Phrases

R20/22 Harmful by inhalation and if swallowed R43 May cause sensitisation by skin contact

R48 Danger of cumulative effects

S-Phrases S13 Keep away from food, drink and animal feeding stuffs.

S20/2 1 When using, do not eat, drink or smoke.

S22/23 Do not breath dust or spray. S24 Avoid contact with skin.

S38 In case of insufficient ventilation wear suitable respiratory equipment. UK

Occupational exposures limits* Mg/in³ 8 hr TWA % in product

Low toxicity dust inhalable 10 76% respirable 5 ditto

Crystalline silica inhalable 0.3 24% respirable 0.1 ditto

Cobalt compounds 0.10 0.4% (in 100% raw materials)

Manganese compounds 5 0.8% ditto

In accordance with the H.S.E. Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both time Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk.

^{*}Refer to HSE Guidance note EH4O

Summary per product

GLAZE	PERCEN'	approximate		
NUMBER	Cobalt	Cobalt	Manganese	% Quartz
	Oxide	Carbonate	Dioxide	
BP1S	1		3	11
BP2S		1.33		22
BP3S	2.2			27
BP4S	1.1			17
BP5S	0.4		0.8	25
BP24S	1.8			20
BP32S			16	15
BP33S	3			15
BP34S			16	15
BP35S	3		4	15

General industrial hygiene practices are recommended when handling and using this product.

COSHH ACOP: H.S.C. Approved Code of Practice for the Control of Substances Hazardous to Health

Regulations 1994.

CHIP 96: Chemicals (Hazard Information and Packaging for Supply) Regulations 1996.

CHIP SDS ACOP: H.S.C. Approved Code of Practice for Safety Data Sheets in accordance with regulation 6 of

the CHIP regulations.

HSE EH4O: HSE Guidance note EH4O on Occupational Exposure Limits, to be used in conjunction with

the COSHH regulations.

17. National Legislation

UK Legislation

SI1993/1746 Chemicals (Hazard Information and Packaging) Regulations 1993

Environmental Protection (Duty of Care) regulations 1992 SI 2839

Carriage of Dangerous goods by Road and Rail Regulations 1994

Control of pollution Act 1974

Environmental Protection Act 1990

Highly Flammable Liquids and Petroleum Spirit Regulations 1972

EH40 Occupational Exposure Limits

SI1988/1657 The Control of Substances Hazardous to Health Regulations

Note - This is not an exhaustive list and users should satisfy themselves that they comply with all relevant National Regulations

Important notes

Design CHIP-002

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Further reference can be made to our standard terms and conditions of sale, a copy of which is available on request. The information contained in this safety data sheet has been prepared using the best available information. However, in view of technical developments this may alter.

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safely, health and environmental hazards.

Due to the many factors outside our control when using this product we cannot accept liability for any injury, accident, loss or damage caused through its use.

Footnote`

LIABILITY

Such information is the best of Bath Potters Supplies' knowledge and belief accurate at the date of publication, which is the date generated automatically on the day of printing of this document. However, no representation, warranty of guarantee is made as to its accuracy, reliability of completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

THIRD PARTY MATERIALS

Insofar as materials not manufactured or supplied by Bath Potters Supplies are used in conjunction with, or instead of Bath Potters Supplies materials, it is the responsibility of the customer itself to obtain from the manufacturer or supplier all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of Bath Potters Supplies materials in conjunctions with other materials.

25.08.21

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET

1.	Identification	of	the	preparation/Supp.	lier reference

BP8P	BP8S	BP16P	BP16S	BP22P	BP22S	BP31P
BP9P	BP9S	BP17P	BP17S	BP23P	BP23S	BP36P
BP11P	BP11S	BP18P	BP18S	BP25P	BP25S	BP41P
BP13P	BP13S	BP19P	BP19S	BP26P	BP26S	BP42P
BP14P	BP14S	BP20P	BP20S	BP27P	BP27S	BP43P
BP15P	BP15S	BP21P	BP21S	BP28P	BP28S	BP44P
BP31S	BP45P	BP45S	B52P	B52S		
BP36S	BP46P	BP46S	BP53P	BP53S		
BP41S	BP48P	BP48S				
BP42S	BP49P	BP49S				
BP43S	BP50P	BP50S				
BP44S	BP51P	BP51S				

Chemical name Mixture of chemicals

Synonyms Stoneware powder glazes, dipping glazes and brush on glazes. P = powder, S = brush on

Supplier Bath Potters Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,

Radstock, Nr. Bath. BA3 4XE

Emergency numbers
Tel: 01761 411077
Fax: 01761 414115

Internet: sales@bathpotters.co.uk

2. Composition

component CAS EINECS $\mbox{\ensuremath{\$}}$ composition

Quartz 14808-60-7 2388784 refer to table at the end of this document

Supplied in slop state - organic binders/antibacterial agents are present (concentration of less than <5.0% by weight.)

Supplied as powder - All hazards should be considered serious.

3. Health Hazard Identification

Inhalation - excessive exposure may cause symptoms of chronic lung disease

Ingestion — the product is of low solubility in body fluids and it is likely to be of low acute toxicity

Eyes - May cause physical irritation and inflammation

Skin - The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation

4. First Aid Measures

Inhalation - Remove patient to fresh air, loosen tight clothing and seek medical attention

Ingestion - Do not induce vomiting, seek medical advice

Eyes - Wash immediately with copious amounts of water

Skin - Wash affected areas with water

5. Fire Fighting Measures

Extinguishing Media - Suitable for surrounding fire conditions

Special Exposure hazard - None

Personal protective equipment - None other than required for surrounding conditions

6. Accidental Release Measures

Leaks & Spills - Use suitable vacuum equipment where reasonable practicable, otherwise damp down and scoop into a receptacle.

Personal protective equipment

Respiratory protective equipment

7. Handling & Storage

 $\mbox{Handling}$ - \mbox{Do} not eat, drink, or smoke in areas where the material is used. Water thoroughly after handling the material

Storage - Store in dry area

8. Exposure Control/Personal protective Equipment

Engineering controls - Adequate ventilation should be provided so that Occupational Exposure limits are not exceeded. Local Exhaust Ventilation is normally recommended Personal protective equipment Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

9. Physical & Chemical properties

Appearance & Odour Powder - odourless

Flash point (°C) - Not applicable

Flammability - Not applicable

Explosive properties - Non-explosive

Oxidising properties - None

Specific gravity - 3-5

pH value - 7 (insoluble in water)

Melting point (°C) - Not available

10. Stability & Reactivity

Chemical stability - The material is stable

Conditions/materials to avoid - None known

Hazardous decomposition products - None known

 ${\tt Hazardous\ polymerization\ products\ -\ None}$

11. Toxicology Information

Acute toxicology - LD50 Oral >2000 mg/kg

LD50 Dermal not known

LC50 Inhalation not known

Health effects - Prolonged or repeated exposure above Occupational Exposure

Standards may cause fibrosis of the lungs

12. Ecological information

Ecotoxicity - Not known Persistence - Not known

13. Disposal

Dispose in accordance with current waste Disposal regulations (for UK - Control of Pollution(Special Waste) Regulations 1980). Landfill is the most appropriate method.

14. Transport Information

UN/SI No. - Not classified

UN Class - Not classified

Packing group - Not classified

Road UK ADR - Not classified

Sea IMO - Not classified

Air ICAO - Not classified

15. Regulatory information

EC Supply Labelling - HARMFUL Xn

 $\mbox{R-Phrases}$ - $\mbox{R20}$ harmful by inhalation R48 danger of serious damage to health by prolonged exposure

S-Phrases - S22/23 do not breathe dust or spray UK Occupational exposures limits*

Mg/m3 8 hr TWA % in product

Crystalline silica - (respirable dust)

0.40 refer to table at the end of this document \star refer to HSE Guidance note EH40

In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitutes the user's assessment of workplace risk

16. Other information

Glaze number	approx of quarts %	Glaze number	Approx of quartz%
BP8S	18	BP19S	31
BP9S	42	BP20S	18.5
BP11S	26	BP21S	23
BP13S	1.2	BP22S	20
BP14S	10.5	BP23S	28
BP15S	11.5	BP25S	11.5
BP16S	21	BP26S	9
BP17S	20	BP27S	20

BP18S	25	BP28S	17
BP31S	20	BP50S	31
BP36S	4.2	BP51S	31
BP41S	31	BP52S	31
BP42S	31	BP53S	31
BP43S	31		
BP44S	31		
BP48S	31		
BP49S	31		

References

 $\hbox{\tt COSHH ACOP HSC approved Code of Practice for the Control of Substances}\\$

Hazardous to Health Regulations 1994

CHIP 96 Chemicals (Hazard Information and Packaging for Supply) Regulations 1996

CHIP SDS ACOPS HSC Approved Code of Practice for Safety data Sheets in accordance with regulation 6 of the CHIP regulations

HSE EH40 HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSH regulations

Footnote`

LIABILITY

Such information is the best of Bath Potters Supplies' knowledge and belief accurate at the date of publication, which is

the date generated automatically on the day of printing of this document. However, no representation, warranty of

guarantee is made as to its accuracy, reliability of completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

THIRD PARTY MATERIALS

Insofar as materials not manufactured or supplied by Bath Potters Supplies are used in conjunction with, or instead of

Bath Potters Supplies materials, it is the responsibility of the customer itself to obtain from the manufacturer or supplier

all technical data and other properties relating to these and other materials and to obtain all necessary information relating

to them. No liability can be accepted in respect of the use of Bath Potters Supplies materials in conjunctions with other materials.

17. National Legislation

UK Legislation

SI1993/1746 Chemicals (Hazard Information and Packaging) Regulations 1993

Environmental Protection (Duty of Care) regulations 1992 SI 2839

Carriage of Dangerous goods by Road and Rail Regulations 1994

Control of pollution Act 1974

Environmental Protection Act 1990

Highly Flammable Liquids and Petroleum Spirit Regulations 1972

EH40 Occupational Exposure Limits

SI1988/1657 The Control of Substances Hazardous to Health Regulations

Note - This is not an exhaustive list and users should satisfy themselves that they comply with all relevant National Regulations

Important notes

Design CHIP-002

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Further reference can be made to our standard terms and conditions of sale, a copy of which is available on request.

25.08.21

Bath Potters' Supplies

MATERIAL SAFETY DATA SHEET (cosh2)

1. <u>Identification of the preparation/Supplier reference</u>

Trade Name

BP8S	BP15S	BP20S	BP26S	BP8P	BP15P	BP20P	BP26P
BP9S	BP16S	BP21S	BP27S	BP9P	BP16P	BP21P	BP27P
BP11S	BP17S	BP22S	BP28S	BP11P	BP17P	BP22P	BP28P
BP13S	BP18S	BP23S	BP31S	BP13P	BP18P	BP23P	BP31P
RP14S	BP19S	BP25S	BP36S	RP14P	RP19P	RP25P	BP36P

Chemical name Mixture of chemicals

Synonyms None

Supplier Bath Potters Supplies, Unit 18, Fourth Avenue, Westfield Trading Estate,

Radstock, Nr. Bath. BA3 4XE

Emergency numbers Tel: 01761 411077

E-mail: sales@bathpotters.co.uk

2. <u>Composition</u>

component CAS EINECS % composition

Quartz 14808-60-7 2388784 refer to table at the end of this document

Supplied in slop state organic binders/antibacterial agents are present (concentration of less than <5.0% by weight.)

Supplied as powder All hazards should be considered serious.

3. <u>Health Hazard Identification</u>

Inhalation Excessive exposure may cause symptoms of chronic lung disease

Ingestion The product is of low solubility in body fluids and it is likely to be of low acute

toxicity

Eyes May cause physical irritation and inflammation

Skin The material is not a primary irritant, but as with any abrasive powder it may give

rise to minor irritation

4. First Aid Measures

Inhalation Remove patient to fresh air, loosen tight clothing and seek medical attention

Ingestion Do not induce vomiting, seek medical advice Eyes Wash immediately with copious amounts of water

Skin Wash affected areas with water

5. <u>Fire Fighting Measures</u>

Extinguishing Media Suitable for surrounding fire conditions

Special Exposure hazard None

Personal protective None other than required for surrounding fire conditions

equipment

6. Accidental Release Measures

Leaks & Spills Use suitable vacuum equipment where reasonable practicable, otherwise

damp down and scoop into a receptacle

Personal protective

equipment

Respiratory protective equipment

7. Handling & Storage

Handling Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly

after handling the material

Store in dry area Storage

Exposure Control/Personal protective Equipment 8.

Engineering controls Adequate ventilation should be provided so that Occupational Exposure

Limits are not exceeded. Local Exhaust Ventilation is normally

recommended

Personal protective

equipment

Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for

prolonged contact.

9. Physical & Chemical properties

Powder, odourless Appearance & Odour Flash point (°C) Not applicable Flammability Not applicable Explosive properties Non-explosive

Oxidising properties None Specific gravity 3-5

pH value 7 (insoluble in water)

Melting point (°C) Not available

10. Stability & Reactivity

Chemical stability The material is stable

Conditions/materials to avoid

None known

Hazardous decomposition

None known

products

Hazardous polymerization

None

products

11. **Toxicology Information**

>2000 mg/kg Acute toxicology LD_{50} Oral

 LD_{50} Dermal not known LC_{50} Inhalation not known

Health effects Prolonged or repeated exposure above Occupational Exposure Standards

may cause fibrosis of the lungs

12. **Ecological information**

Ecotoxicity Not known Persistence Not known

13. <u>Disposal</u>

Dispose in accordance with current waste Disposal regulations (for UK - Control of Pollution (Special Waste) Regulations 1980). Landfill is the most appropriate method.

14. <u>Transport Information</u>

UN/SI No. Not classified **UN Class** Not classified Packing group Not classified UK Not classified Road Not classified **ADR** Not classified Sea IMO **ICAO** Not classified Air

15. Regulatory information

EC Supply Labelling HARMFUL X_n

R-Phrases R20 harmful by inhalation

R48 danger of serious damage to health by prolonged exposure

S-Phrases S22/23 do not breathe dust or spray

UK Occupational Mg/m³ 8 hr TWA % in product

exposures limits*

Crystalline silica 0.40 refer to table at the end of this

(respirable dust) document

In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitutes the user's assessment of workplace risk

16. Other information

Summary per product

Glaze No.	approximate	Glaze No.	approximate
	% Quartz		% Quartz
BP8S	18	BP20S	18.5
BP9S	42	B P 2 1 S	23
BP11S	26	BP22S	20
BP13S	1.2	BP23S	28
BP14S	10.5	BP25S	11.5
BP15S	11.5	BP26S	9
BP16S	21	BP27S	20
BP17S	20	BP28S	17
BP18S	25	BP31S	20
BP19S	31	BP36S	4.2

References

COSHH ACOP HSC approved Code of Practice for the Control of Substances

Hazardous to Health Regulations 1994

^{*} refer to HSE Guidance note EH40

CHIP 96 Chemicals (Hazard Information and Packaging for Supply) Regulations

1996

CHIP SDS ACOPS HSC Approved Code of Practice for Safety data Sheets in accordance with

regulation 6 of the CHIP regulations

HSE EH40 HSE Guidance note EH40 on Occupational Exposure Limits to be used in

conjunction with the COSH regulations

Footnote'

LIABILITY

Such information is the best of Bath Potters Supplies' knowledge and belief accurate at the date of publication, which is the date generated automatically on the day of printing of this document. However, no representation, warranty of guarantee is made as to its accuracy, reliability of completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

THIRD PARTY MATERIALS

Insofar as materials not manufactured or supplied by Bath Potters Supplies are used in conjunction with, or instead of Bath Potters Supplies materials, it is the responsibility of the customer itself to obtain from the manufacturer or supplier all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of Bath Potters Supplies materials in conjunctions with other materials.

17. National Legislation

UK Legislation

SI1993/1746 Chemicals (Hazard Information and Packaging) Regulations 1993
Environmental Protection (Duty of Care) regulations 1992 SI 2839
Carriage of Dangerous goods by Road and Rail Regulations 1994
Control of pollution Act 1974
Environmental Protection Act 1990
Highly Flammable Liquids and Petroleum Spirit Regulations 1972
EH40 Occupational Exposure Limits
SI1988/1657 The Control of Substances Hazardous to Health Regulations

Note - This is not an exhaustive list and users should satisfy themselves that they comply with all relevant National Regulations

Important notes

Design CHIP-002

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Further reference can be made to our standard terms and conditions of sale, a copy of which is available on

25.08.21