POTTERYCRAFTS LIMITED

SAFETY DATA SHEET

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

1.1. Product identifier

Product name. Fools Gold L/S HAND BRUSHING GLAZE

Product No. P0137

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

Identified uses. Ceramic Glaze

1.3. Details of the supplier of the safety data sheet

Supplier.

Potterycrafts Ltd
Campbell Road,
Stoke on Trent.
Staffordshire,
England.
ST4 4ET
Tel 44 (0)1782 745000
sales@potterycrafts.co.uk

1.4. Emergency telephone number
+44(0)1782 745000 (Office Hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (regulation (EC) No 1272/2008

Skin Sensitivity,Category 1.	H317 May cause an allergic skin reaction.
Carcinogencity Carc 1A	H350i May cause cancer by inhalation
Carcinogencity, Category 2	H351 :Suspected of causing cancer.
Reproductive toxicity, Category 1A	H360Df : May damage the unborn child, Suspected of damaging fertility.
H362 :Effecton or on lactation.	H362 : May cause harm to breast fed children.
Specific target organ toxicity-repeated Exposure, Category 1	H372 : Causes damage to organs through prolonged or repeated exposure.
Acute aquatic toxicity Category 1	H400 Very toxic to aquatic life
Chronic aquatic toxicity, Category 2	H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms

.Signal Word DANGER.

Hazard statements
H317 : May cause an allergic skin reaction.
H350i May cause cancer by inhalation

H351 : Suspected of causing cancer
H360Df :May damage the unborn child.
Suspected of damaging fertility

H362 : May cause harm to breast fed children.
H372 : Causes damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.

Hazardous components which must be listed on the label.

Frits, chemicals (contains Pb) Nickel Monoxide.
Tetramethylol acetylene diuriene, 1,2 benzisothiazol-3(2H)-one
2-methyl-2H-isothiazol-3one

Additional Labelling.

Restricted to professional users.

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxoc (PBT), or very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical Characterisation

Mixture of frits (silicate glasses), mineral oxides and inorganic pigments in aqueous on hydrocolloidic basis.

Hazardous components

Chemical Name	CAS. No. EC-No Registration Number	Classification (Regulation (EC) No. 1272/2008	Concentration (%)
Frits, chemicals (contains Pb)	65997-18-4 266-047-6 01-2119548361-42-xxxx	Acute Tox 4:H332 Carc. 2 : H351 Repr. 1A : H360Df H362 STOT RE 1:H372 Aquatic Chronic 3 H372	>= 25- < 50
Naturally occurring Substances with 1<% RCS <10	999999-99-4 310-127-6	STOT RE : H373	>=1 -<10.
Copper Oxide	1317-38-0 215-269-1 01-2119502447-44-xxxx	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	>=2.5 - <10
Tetramethylol acetylene Diuriene	5395-50-6 226-408-0	Slin Sens 1;H317	>0.1 - <1
1,2-benzisothiazol- 3(2H)-one	2634-33-5 220-120-9 01-2120761540-60-xxxx	Acute Tox. 4 ;H302 Skin Irrit 2;H315 Eye Dam 1;H318 Skin Sens 1;H317 Aquatic Acute 1;H400 Aquatic Chronic 2;H411	<0.05
2 methyl-2H-isothzol- 3-one	2682-20-4 220-239-6 01-2120764690-50-xxxx	Acute Toxic 3;H301 Acute toxic w2 ;H330 Acute Toxic 3 ;H311 Skin Corr.1B;H314 Eye Dam 1;H318 Skin Sens 1;H317 Aquatic Acute 1;H400	>=0.0015-<0.1
Nickel Monoxide	1313-99-1 215-215-7 01-2119467-41x	Skin Sen 1 ::H317 Carc A - : H350i STOT RE ;H372 Aquatic Chronic 4:H413	0.5 -1%

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Unlikely route of exposure as the product does not contain volatile substances.

Ingestion

Do not induce vomiting. Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Rinse with water. Contact physician if discomfort continues.

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

Skin contact

Prolonged skin contact may cause redness and irritation.

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Special Fire Fighting Procedures

N/A.

Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

Avoid spreading dust or contaminated materials.

6.3. Methods and material for containment and cleaning up

Collect for reclamation or absorb in vermiculite, dry sand or similar material.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not eat, drink or smoke when using the product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place.

7.3. Specific end use(s)

Should be restricted to professional users.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limits

Components	CAS-No	Value type (Form of exposure)	Control Parameters	Expressed as	Basis
Frits,chemicals (ontains Pb)	65997-18-4	TWA	0.15 mg/m^3 (Lead)	Lead	98/24/EC 1
Further information	Binding				
		TWA	10mg/m^3		GB EH 40
		STEL	20mg/m^3		GB EH40
Naturally occurring substances with 1<%RCS<10	999999-99-4	TWA (Respirable dust)	0.1 mg/m3 (Silica)	Silica	GB EH40

Biological occupational exposure limits

Substance Name	CAS number	Control parameters	Sampling Time	Basis
;	65997-18-4	Lead; 0.7 mg/l BBlood)		98/24/EC ii

Derived No Effect Level(DNEL) according to Regulation (EC) no. 1907/2006;

Frit,chemical (contains Pb) ; End use ;Worker –women of child-bearing capacity.
Value ; 10 ugPb/dl –blood.

End use – Worker (Adult)
Value ; 40ug Pb/d – blood

Predicted no effect concentration (PNEC) according to Regulation (EC) no. 1907/2006

Frits, chemicals (contains Pb) ; Fresh Water - value 2,4 ug PB/L
Marine Water – value 3,3ug Pb/L
Sewage treatment plant Value 100ug/Pb/L

Nickel Monoxide
Long term exposure limit (8hour TWA) ;WEL 0.5 mg/m3
Short term exposure limit (15 minute) :WEL
Carc.sen sk as Ni.

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

If risk of splashing, wear safety goggles or face shield.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Dark Grey Liquid
Odour	No characteristic odour.
Solubility	Insoluble in water
Relative density	1-2

pH-Value, Conc. Solution 6-8

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability
Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation
Not relevant

10.4. Conditions to avoid
Not known.

10.5. Incompatible materials
Materials To Avoid
No incompatible groups noted.

10.6. Hazardous decomposition products
Not known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicitys
Not classified based on available information.
Product

Acute inhalation toxicity	Acute toxicity estimates >20mg/l. Exposure time ;4h. Test atmosphere ; vapour, Method ; Calculation method.

Components;
Frits,chemicals (contains Pb);

Acute oral toxicity	LD50 Oral (rat);>2000 mg/kg body weight. Method ;OECD Test guideline423, Test substance Lead

.**Copper Oxide.**

Acute oral toxicity	LD50 (Rat) > 2500 mg/l
Acute Dermal toxicity	LD50 (Rat Male and female) ; >2,000 mg/l

1,2-benzisothizol-3(2H)-one

Acute oral toxicity	LD50 oral(Rat); 490mg/kg , Method ;OECD ;Test Guideline 401
Acute dermal toxicity	LD50 Dermal (Rabbit);>2000 body weight, Method OECD test guideline 402

2-methyl -2H-isothiazol-3-one

Acute oral toxicity	;LD50 Oral (Rat) ; 120 mg/kg Method ; OPPTS 870. 1100 GLP;yes
Acute dermal toxicity	LD50 Dermal (Rabbit) ;242mg/kg, Method ; OECD Test Guideline 402.

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General information
No specific health warnings noted.
Inhalation
No specific health warnings noted.
Ingestion
No harmful effects expected in amounts likely to be ingested by accident.
Skin contact
The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.
Eye contact
May cause temporary eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

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.

12.1. Toxicity

No information available.

Acute Toxicity - Fish

Not available.

Acute Toxicity - Aquatic Invertebrates

Not available.

Acute Toxicity - Aquatic Plants

Not available.

Acute Toxicity - Terrestrial

Not available.

12.2. Persistence and degradability

Degradability

The product solely consists of inorganic compounds which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

SECTION 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

Product.	Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Offer surplus or non-recyclable solutions to a licenced disposal company. Send to a waste management company.
Contaminated Packaging.	Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

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14.1. UN number

ADN ; ADR; RID ; IMDG ; IATA ; UN 3082

14.2. UN proper shipping name

AND , ADR, RID, IMDG, IATA ; Environmentally Hazardous Substances, Liquid N.O.S. (copper oxide, Frits , chemicals (contains Lead).

14.3. Transport hazard class(es)

AND, ADR, RID, IMDG, IATA g

14.4. Packing group

ADN,

Packing group	III
Classification code	M6
Hazard Identification number	90
Labels	9

ADR

Packing group	III
Classification code	M6

Hazard Identification number	90
Labels	9
Tunnel restriction code	(-)
RID	
Packing group	III
Classification code	M6
Hazard identification code	90
Labels	9
IMDG	
Packing group	III
Labels	9
Ems Code	F-A_, S-F
IATA	
Packing group (cargo aircraft)	964
Packing instruction (passenger aircraft)	964
Packing Instruction (LQ)	Y964
Packing group	III
Labels	9

14.5. Environmental hazards

ADN	Environmentally Hazardous	yes
ADR	Environmentally **Hazardous**	ye**s**
RID	Environmentally Hazardous	yes
IMDG	Environmentally Hazardous	yes

14.6. Special precautions for user Not classified as dangerous in the meaning of transport regulations.
Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable for product as supplied.

SECTION 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.
Statutory Instruments
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Approved Code Of Practice
Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes
Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.
EU Legislation
Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC,including amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Full text of H -Statements

H301	Toxic if swallowed.
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	Mat cause an allergic skin reaction.

H318	Causes serious eye damage.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H350i	May cause cancer by inhalation.
H351	Suspected of causing cancer.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H362	May cause harm to breast fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects..
H412	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations.

Acute tox	Acute Toxicity
Aquatic Acute	Acute Aquatic toxicity.
Aquatic Chronic	Chronic aquatic toxicity.
Carc.	Carcinogenicity
Eye Dam.	Serious eye damage.
Repr.	Reproductive toxicity.
Skin Corr	Skin Corrosion
Skin Irrit	Skin Irritation.
Skin Sens	Skin Sensitisation.
STOT RE	Specific target organ toxicity – repeated exposure.

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Revision 4

Supersedes date 12/12/2014