POTTERYCRAFTS LIMITED

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Leadless Tin Opaque Glossy Stoneware Glaze

Product number P2056

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

1.3. Details of the supplier of the safety data sheet

Supplier

Potterycrafts Ltd.,
Campbell Road,
Stoke
Stoke-on-Trent
ST4 4ET

Tel 44 (0)1782 745000
sales@potterycrafts.couk

1.4. Emergency telephone number

Emergency telephone +44(0)1785 745000 Office Hours Mon- Friday 08:45 – 16:30 hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards STOT RE 2 – H372

Environmental hazards Not Classified

2.2. Label elements

Pictogram

Signal Word Warning

Hazard statements H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements P260 Do not breathe vapour/spray.
P314 Get medical advice/attention if you feel unwell.
P501 Dispose of contents/container in accordance with national regulations

Contains Silica

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Frits,Chemicals Group 1	80-95%
CAS No. : 65997-18-4	EC No. : 266-047-6
Classification (EC 1272/2008 Not Classified.	Classification (67/548/EEC) Not Classified.

silica	**10-30%**
CAS number: 14808-60-7	EC number: 238-878-4
Classification STOT RE 1 - H372	

Tin Oxide		1 – 5%
CAS No : 18282-10-5 .	EC No.	

Classification (EC1272/2008) Not Classified	Classification : (67/548/EEC) Not Classified

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 Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Do not induce vomiting. Give a few small glasses of water or milk to drink. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact Rinse with water. Get medical attention if any discomfort continues.

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

General information No data available.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Protective actions during firefighting N/A

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautions Avoid spreading dust or contaminated materials.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

6**.4. Reference to other sections**

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep container dry.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): 4 mg/m^3 resp.dust

Fine Fraction Crystalline Silica

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m^3

WEL = Workplace Exposure Limit

Ingredient comments Total Inhalable Dust 10mg/m3 - 8hr TWA Total respirable Dust 4mg/m3 - 8hr TWA

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Hygiene measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m$^{3.}$

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Dusty white powder.
Odour	Odourless.
pH	Not determined.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Vapour density	Not relevant.
Solubility(ies)	Insoluble in water.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not relevant

10.4. Conditions to avoid

Conditions to avoid	Not known.

10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products	Not known

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No data recorded.
General information	No specific health hazards known.
Inhalation	May cause respiratory irritation.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	May irritate eyes.

SECTION 12: Ecological Information

Ecotoxicity	There are no data on the ecotoxicity of this product.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability	No information available as to the persistence and degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential	Not available.

12.4. Mobility in soil

Mobility	Not available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not available

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

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

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group
14.5. Environmental hazards
14.6. Special precautions for user
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation Dangerous Substances 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) (as amended).

Guidance Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.

15.2. Chemical safety assessment

SECTION 16: Other information

General information

(EN) Examples of ceramic frits belonging to various groups:
Group 1 - frits usually containing elements not included in Annex I of Directive 67/548/EEC and without Pb, Ba, Zn and Cd.
Group 2 - frits usually containing elements not included in Annex I of Directive 67/548/EEC, with Zn and without Pb, Ba or Cd.
Group 3 - frits usually containing elements not included in Annex I of Directive 67/548/EEC, with Ba and without Pb, Zn or Cd.
Group 4 - frits usually containing elements not included in Annex I of Directive 67/548/EEC, with Zn and Ba but without Pb or Cd.
Group 5 - frits usually containing elements not included in Annex I of Directive 67/548/EEC, with Pb or Cd.
Subgroup 5.1 - lead bisilicate frits (0% < PbO ≤ 69%, SiO_2 ≥ 30%, Al_2O_3 ≥ 1%).
Subgroup 5.2 - lead borosilicate frits (40%-60% PbO, SiO_2 > 30%, 1%-20% B_2O_3).
Group 6 - frits usually containing elements not included in Annex I of Directive 67/548/EEC, with Pb and Zn and/or Ba (0% < PbO ≤ 69%, SiO_2 ≥ 30%, Al_2O_3 ≥ 1%).
Group 7 - frits usually containing elements not included in Annex I of Directive 67/548/EEC, with Cd and other elements such as Zn, Ba and Pb (0% < PbO ≤ 69%, CdO ≤ 5%, SiO_2 ≥ 30%, Al_2O_3 ≥ 1%).
Group 8 - frits with lead expressed as PbO percentage, frits usually containing elements not included in Annex I of Directive 67/548/EEC, without a minimum of 30% of SiO_2 and/or without a minimum of 1% of Al_2O_3.
Group 9 - coloured frits usually containing elements not included in Annex I of Directive 67/548/EEC and metallic oxides in Annex I of Directive 67/548/EEC.

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Hazard Statements in Full	H372 Causes damage to organs through prolonged or repeated exposure.
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