



## SAFETY DATA SHEET

2408

SPARKLING YELLOW EARTHENWARE GLAZE

### 1. Identification of substance/preparation and of the company undertaking

Trade name:	Sparkling Yellow Earthenware Glaze
Chemical Name:	-
Synonyms:	-

#### Relevant identified uses:

Ceramic coating suited for firing, for glass and ceramics.

### 2. Composition/Information on Ingredients

**Chemical nature** Glass/frit, silicatic material

Chemical Name	CAS, EC, Reg. No.	Weight %	Classification (1272/2008/EC)
Frits, Chemicals (contains cadmium)	65997-18-4 266-047-6 01-2119548361-42- xxxx	> = 2.5 - <10	Aquatic Acute 1: H400 Aquatic Chronic 1: H410
<b>Substances with a workplace exposure limit:</b>			
Kaolin	1332-58-7 310-191-1	<10	

### 3. Hazards Identification

<b>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</b>	Chronic aquatic toxicity, Category 2 H411: Toxic to aquatic life with long lasting effects
--	---

<b>Labelling according to Regulation (EC) No. 1272/2008 (CLP)</b>	Hazard pictogram Hazard statement – H411: Toxic to aquatic life with long lasting effects. Prevention – P273: Avoid release to the environment. P391: Collect spillage P501: Dispose of contents/container to an approved waste disposal plant.
<b>Other hazards:</b>	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT),



or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 4. First Aid Measures

<b>Inhalation</b>	If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
<b>Eyes</b>	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
<b>Skin</b>	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
<b>General advice</b>	Do not leave the victim unattended.

**Most important symptoms and effects, both acute and delayed:**

<b>Symptoms</b>	None known.
<b>Risks</b>	None known.

**Indication of any immediate medical attention and special treatment needed:**

<b>Treatment</b>	The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
------------------	--

#### 5. Fire Fighting Hazards

<b>Extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	High volume water jet.
<b>Specific hazards</b>	In the event of fire, the product may emit harmful or toxic fumes.
<b>Specific protective equipment</b>	In the event of fire, wear self-contained breathing apparatus.
<b>Further information</b>	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### 6. Accidental Release Measure

<b>Personal precautions</b>	Avoid dust formation. Use Personal Protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.
<b>Environmental precautions</b>	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
<b>Methods and material for containment and cleaning up</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.



## 7. Handling & Storage

<b>Handling</b>	Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
<b>Advice on protection against fire and explosion</b>	Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Storage conditions</b>	Keep container tightly closed in a dry and well-ventilated place. Electrical installations/working materials must comply with the technological safety standards. No materials to be especially mentioned.
<b>Other data</b>	Keep in a dry place. No decomposition if stored and applied as directed.
<b>Specific use(s)</b>	Consult the technical guidelines for the use of this substance/mixture.

## 8. Exposure Control/Personal Protection

Components	CAS-No	Value type (Form of exposure)	Control parameters	Expressed as	Basis
Kaolin	1332-58-7	TWA (Respirable)	2 mg/m <sup>3</sup>	Cadmium	GB EH40
Frits, chemicals (contains Cadmium)	65997-18-4	ACGW (Total dust)	0.015 mg/m <sup>3</sup>		

For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3. General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg/m<sup>3</sup>. 8 hour TWA of inhalable dust or 4mg/m<sup>3</sup> 8 hour TWA of respirable dust. 8 hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3. Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

### Exposure controls – Personal protective equipment

<b>Eye/face protection:</b>	Eye wash bottle with pure water. Tightly fitting safety goggles.
-----------------------------	--



<b>Hand protection:</b>	Polyvinyl alcohol or nitrile – butyl-rubber gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Before removing gloves clean them with soap and water.
<b>Skin and body protection:</b>	Dust impervious protective suit. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
<b>Respiratory protection:</b>	No personal respiratory protective equipment normally required. Dust safety masks are recommended when the dust concentration is more than 10 mg/m <sup>3</sup> .
<b>Environmental exposure controls:</b>	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Powder
<b>Colour</b>	White
<b>Odour</b>	Odourless
<b>Odour threshold</b>	Not applicable
<b>pH</b>	No data available
<b>Relative evaporation rate</b>	Not applicable
<b>Melting point (°C)</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	Not applicable
<b>Flammability (solid, gas)</b>	No data available
<b>Burning rate</b>	No data available
<b>Self-ignition temperature</b>	Not applicable
<b>Upper explosion limit</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	No data available
<b>Bulk density</b>	No data available
<b>Solubility</b>	No data available
<b>Partition coefficient: noctanol/water</b>	Not applicable
<b>Thermal decomposition</b>	No data available
<b>Viscosity, dynamic</b>	Not applicable
<b>Explosive properties</b>	No data available
<b>Refractive index</b>	Not applicable

## 10. Stability & Reactivity

<b>Reactivity</b>	Stable under recommended storage conditions. No decomposition if stored and applied as directed.
<b>Chemical stability</b>	No decomposition if stored and applied as directed.
<b>Possibility of hazardous reactions</b>	Stable under recommended storage conditions. No decomposition if used as directed. No hazards to be specially mentioned.



<b>Conditions to avoid</b>	No data available.
<b>Incompatible materials</b>	No data available.
<b>Hazardous decomposition products</b>	Stable under normal conditions.

## 11. Toxicological Information

<b>Acute toxicology</b>	Remarks: no data available
<b>Inhalation</b>	Remarks: no data available
<b>Ingestion</b>	Remarks: no data available
<b>Skin contact</b>	Remarks: no data available
<b>Eye contact</b>	Not classified based on available information.

<b>Components:</b>	
<b>Frits, chemicals (contains Cadmium)</b>	Acute oral toxicity. LD50 (Rat): >2.000mg/kg
<b>Skin corrosion/irritation</b>	Not classified based on available information.
<b>Serious eye damage/eye irritation</b>	Not classified based on available information.
<b>Respiratory or skin sensitisation</b>	Not classified based on available information.

## 12. Ecological Information

<b>Ecotoxicity Assessment</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Chronic aquatic toxicity</b>	
<b>Toxicity to fish</b>	LC50 (Fish): > 1.000 mg/l Exposure time: 96h
<b>Toxicity to daphnia and other aquatic invertebrates</b>	EC50 (Daphnia – water flea): >100mg/l Exposure time: 48h
<b>Toxicity to algae</b>	IC50 (algae): >1.000 mg/l Exposure time: 72h
<b>Biodegradability</b>	Remarks: No data available
<b>Bioaccumulation</b>	Remarks: No data available
<b>Distribution among environmental compartments</b>	Remarks: No data available
<b>Results of PBT and vPvB assessment</b>	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
<b>Additional ecological information</b>	Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic organisms, may cause long-term, adverse effects in the aquatic environment. Toxic to aquatic life in long lasting effects.

## 13. Disposal Considerations

<b>Waste treatment methods</b>	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or
--------------------------------	--



	ditches with chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company.
<b>Contaminated packaging</b>	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

#### 14. Transport Information

<b>UN Number – ADN, ADR, RID, IMDG, IATA</b>	UN 3077
<b>UN proper shipping name – ADN, ADR, RID, IMDG, IATA</b>	Environmentally hazardous substance, solid, N.O.S. (frits, chemicals – contains cadmium).
<b>Transport hazard classes - ADN, ADR, RID, IMDG, IATA</b>	9
<b>Packing group</b>	III
<b>Classification Code</b>	M7
<b>Hazard Identification Number</b>	90
<b>Labels</b>	9
<b>EmS Code</b>	F-A, S-F
<b>Environmental hazardous</b>	Yes
<b>Transport in bulk according to Annex II or MARPOL 73/78 and the IBC Code</b>	N/A

#### 15. Regulatory Information

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Neither banned nor restricted. This product does not contain substances of very high concen (Regulation (EC) No. 1907/2006 (REACH), Article 57).
---	--

#### 16. Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

