## Section 1- Identification of the material and supplier

| | |
|---|---|
| Supplied by | OXERRA Australasia Pty Ltd<br>8 Aegean Court Keysborough Vic 3173 Australia<br>Phone: (02) 9336 1000 (Business hours) Fax (02) 9150 6677<br>0418 221 249 (24 hours /7 after hours)<br>ABN: 23 081 186 174 |
| Chemical Name | Composite Blend (Clay and pigment mixture) |
| Trade Name | AGS Glaze Stain Series |
| Product Code | AGSXXXX |
| Product Use | Ceramic colourant |

**POISONS INFORMATION CENTRE**
**CALL 13 11 26 FROM ANYWHERE IN AUSTRALIA (0800 764 766 IN NEW ZEALAND)**

## Section 2- Hazards Identification

**ADG Classification** Not classified as Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

**SUSMP Classification** None allocated

**Statement of Hazardous Nature** This product is classified as hazardous according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) including WHS Regulations Australia

| **Hazard Category** | **Hazard Statement** | |
|---|---|---|
| Carcinogenicity – Category 1A | H350i | May cause cancer by inhalation. |
| Specific target organ toxicity – repeated exposure-Category 1 | H372 | Causes damage to organs (lungs) through prolonged or repeated exposure if inhaled. |

**GHS Symbol (Pictogram)**
GHS08 (Serious Health Hazard)
GHS07 (Health Hazard: Exclamation Mark)

GHS08

**GHS Signal word:** DANGER

**PRECAUTIONARY STATEMENTS**

| | | |
|---|---|---|
| *General* | P101 | If medical advice is needed have product container and label at hand. |
| *Prevention* | P201 | Obtain special instructions before use. |
| | P202 | Do not handle until all safety precautions have been read and understood. |
| | P260 | Do not breath dust / fume / gas /mist / vapours / spray. |
| | P264 | Wash hands thoroughly after handling. |
| | P270 | Do not eat, drink, or smoke when using this product. |
| | P280: | Wear protective gloves, protective clothing, eyes protection, face protection. |
| *Response* | P312 | Call a POISON CENTRE / doctor if you feel unwell. |
| | P308 + P313 | IF exposed or concerned: Get medical advice/attention |
| *Storage* | P405 | Store locked up. |
| *Disposal* | P501 | Dispose of contents / container to an approved waste disposal plant. |

## Section 3 - Composition/Information on Ingredients

| Ingredients | CAS No. | Concentration % |
|---|---|---|
| Silicic acid, zirconium salt, cadmium pigment-encapsulated | 102184-95-2 | <= 100 % |
| C.I. Pigment Blue 71 | 68186-95-8 | <= 90 % |
| C.I. Pigment Black 27 | 68186-97-0 | <= 78 % |
| Nickel iron chromite black spinel | 71631-15-7 | <= 71 % |
| C.I. Pigment Red 232 | 68412-79-3 | <= 60 % |
| Chromium Iron Oxide | 12737-27-8 | <= 50 % |
| C.I. Pigment Yellow 159 | 68187-15-5 | <= 38 % |

| | | |
|---|---|---|
| Cobalt silicate, blue olivine | 68187-40-6 | <= 27 % |
| Cobalt Aluminate Blue, spinel | 1345-16-0 | <= 20 % |
| Zirconium Silicate | 14940-68-2 | <= 6 % |
| C.I. Pigment Yellow 160 | 68187-01-9 | <= 6 % |
| Crystalline Silica (Quartz) | 14808-60-7 | < 1.5% |
| Ingredients determined not to be hazardous | | Balance |

## Section 4 – First Aid Measures

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|---|---|
| Inhalation | If inhaled, remove affected person from area of exposure. Apply artificial respiration if not breathing. Seek medical attention. |
| Contact with skin | Remove all contaminated clothing immediately. Wash affected area thoroughly with warm water and soap. Wash contaminated clothing before reuse or discard. If symptoms develop, seek medical attention. |
| Contact with eyes | Flush the exposed eye(s) with lukewarm gently flowing water immediately, while holding the eyelid(s) open until the product have been removed completely. If symptoms develop and / or persist to be irritated, seek medical attention. If exposed person is wearing contact lenses, special care must be taken. |
| Ingestion | Do NOT induce vomiting if the product is swallowed or enters mouth. Wash out mouth thoroughly with water. If large quantities of this material are swallowed, call a physician immediately. |
| First Aid Facilities | Maintain eyewash fountain and safety shower in work area. |
| Indication of immediate medical attention and special treatment needed. | Treat Symptomatically. |

## Section 5 - Fire Fighting Measures

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|---|---|
| Extinguishing Media | If material is involved in a fire, use Dry Chemical Powder or fine water spray, dry agent (carbon dioxide). Fight larger fires with water sprays, fog, or foam. Unsuitable extinguishing media; High volume water jet. |
| Specific Hazards arising from the product | The product is non-combustible; however, the packaging may burn under fire conditions. |
| Special Protective Equipment and Precautions for Firefighters | If involved in fire, Firefighters must wear self-contained breathing apparatus and protective clothing in fighting large fires to prevent exposure to vapours or fumes Water spray may be used to cool down heat exposed containers. If safe to do so, remove containers from path of fire. |

## Section 6 - Accidental Release Measures

**Personal precaution, protective equipment, and emergency procedures**
Increase ventilation. Evacuate all unprotected personnel. Wear sufficient respiratory protection and full protective clothing to prevent exposure to dust. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust. Transfer and seal in properly labelled collected material to a suitable container for subsequent recycling or disposal. Wash area down with excess water. Call local authorities if significant spillages cannot be contained.

**Environmental precautions, Methods and materials for containment and cleaning up.**
Call local authorities if significant spillages cannot be contained. Prevent spillages from entering soil, ditches, sewers, water ways, and/or ground water. Use absorbent (soil, sand or other inert) material to help contain the spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## Section 7 - Handling and Storage

**Precautions for safe handling**
Ensure good ventilation / exhaustion at the workplace. Handle this product with due care and avoid dust formation. Prevent the build-up of dust in the work atmosphere. Avoid inhalation of dust, skin and eye contact. Maintain high standard of personal hygiene. Wash hands prior to eating, drinking, smoking, or using the toilet. Do not handle this product until all safety precautions have been read and understood.

**Conditions for safe storage, including incompatibilities.**
Store in cool, dry, well-ventilated area out of direct sunlight and moisture. Keep labelled containers tightly closed. Keep away from children. Store away from incompatible materials. Ensure that storage conditions comply with local and national regulations.

## Section 8 - Exposure Controls and Personal Protection

**Control Parameters:** No value assigned for this specific product by Safe Work Australia. However, Workplace Exposure limits for the ingredient listed below.

| Ingredient | TWA ($mg/m^3$) | STEL ($mg/m^3$) |
|---|---|---|
| Zirconium compounds (as Zr) | 5 | 10 |
| Cobalt, metal dust & fume | 0.05 (Note: Sen) | |
| Chromium (lll) compounds (as Cr) | 0.5 | |
| Nickel, soluble compounds | 0.1 (Note: Sen) | |
| Iron Oxide, fume | 5 | |
| Cadmium and compounds (as Cd) | 0.01 | |
| Quartz & Cristobalite | 0.05 (Note: Carc. 1A) | |
| Note Sen: The substance my cause sensitization by skin contact or by inhalation. | | |

TWA (Time Weighted Average) exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week.

STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL.
Peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of the material. They are not a measure of relative toxicity.

**Engineering Controls**
The substance is hazardous and should be used with a local exhaust ventilation system, drawing dust from workers' breathing zone. If the engineering controls are not sufficient to maintain concentration of dust below the exposure standards, suitable PPE must be used to help achieve safe exposure levels.

**Personal Protection**
For body protection wear cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Safety glasses for eye protection conforming with AS/NZS 1337 and impervious gloves made to AS/NZS 2161.1. Avoid generating and inhaling dust. If inhalation risk exists, wear a dust mark/respirator meeting the requirements of AS/NZS 1715 and 1716. Always wash hands before smoking, eating drinking or using the toilet.

## Section 9 - Physical and Chemical Properties:

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|---|---|
| Appearance | Powder |
| Odour | Odourless. |
| Odour Threshold | No data available |
| pH | No data available |
| Melting Point / freezing point | > 600 °C |
| Initial boiling Point / boiling range | > 800 °C. |
| Flash point | Not applicable |
| Evaporation Rate | Not determined. |
| Flammability | Non combustible |
| Upper / Lower flammability or explosive limits | Not applicable. |
| Vapour Pressure | Not applicable. |
| Vapour Density | Not available |
| Relative density/specific gravity | Not available |
| Solubility | Insoluble in water |
| Partition coefficient: n-octanol / water | No data available. |
| Auto ignition temp | Not available. |

| | |
|---|---|
| Decomposition temperature | Not available. |
| Viscosity | Not applicable. |

## Section 10 - Stability and Reactivity

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|---|---|
| Reactivity | Reacts with incompatible materials. |
| Chemical Stability | Stable under normal conditions of storage and handling. |
| Conditions to Avoid | Extremes of temperature and direct sunlight, dust accumulation. |
| Incompatibilities | Information not available. |
| Hazardous Decomposition product. | Thermal decomposition may result in the release of toxic and/or irritating fumes. |
| Polymerisation / Hazardous reactions | No information available. |

## Section 11 - Toxicological Information

Information given is based on product data, knowledge of the components and the toxicology of similar products. No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

| | |
|---|---|
| Toxicity Information | No data available. |
| Ingestion | Ingestion of this product may cause gastric tract causing nausea and vomiting. |
| Inhalation | Harmful if inhaled. Repeated exposure to respirable crystalline silica dust may lead to silicosis or other delayed lung injury. Exposure by inhalation may aggravate pre-existing upper respiratory and lung disorders such as bronchitis, emphysema and asthma. |
| Skin | Skin contact may cause mechanical irritation resulting in redness, itching. |
| Eye | Eye contact may cause mechanical irritation. May result in mild abrasion. |
| Respiratory sensitisation | Not expected to be respiratory sensitiser. |
| Skin sensitisation | Not expected to be skin sensitiser. |
| Carcinogenicity | May cause cancer by inhalation. Classified as a known or presumed human carcinogen. Respirable crystalline silica and nickel compounds are classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation (Group I). |
| Germ cell mutagenicity | Not considered to be a mutagenic hazard. |
| Reproductive toxicity | Not considered toxic to reproduction. |
| Specific target organ toxicity: Single Exposure | Not expected to cause toxicity to a specific target organ. |
| Specific target organ toxicity: Repeated Exposure | May cause damage to organs (lungs) through prolonged exposure if inhaled. |
| Aspiration hazard | Not expected to be an aspiration hazard. |

## Section 12 - Ecological Information

| | |
|---|---|
| Ecotoxicity: | No data available. |
| Persistence and degradability: | No information available |
| Bioaccumulation potential: | No information available |
| Mobility in soil: | No information known. |
| Other Adverse Effect | No information known. |
| Environmental Protection | Prevent this material from entering waterways, drains and sewers. |

## Section 13 - Disposal Considerations

This product may be recycled if unused, or if it has not been contaminated which makes it unsuitable for its intended use. Incineration or landfill should only be considered when recycling is not feasible. Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 14 - Transport Information

This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

## Section 15 - Regulatory Information

Classified as hazardous according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
Poison Schedule (SUSMP): Not scheduled as poison.
*AICIS:* Ingredients are listed.
NZIoC (New Zealand) Ingredients are listed.

## Section 16 - Other Information

**This SDS contains only safety-related information. For other data see product literature.**

| | |
|---|---|
| **Revision date:** | **August 2024 and is valid 5 years from this date.** |
| **Supersedes:** | **Issue date August 2022.** |
| **Literature Reference:** | **Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Globally Harmonised System of Classification and Labelling of Chemicals (7th Ed)** |

**Acronyms:**

| | |
|---|---|
| ADG Code | Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) |
| IMDG Code | International Maritime Dangerous Goods Code |
| IATA | International Air Transport Association |
| *AICIS* | Australian Industrial Chemical Introduction Schemes |
| SWA | Safe Work Australia, formerly ASCC and NOHSC |
| CAS number | Chemical Abstracts Service Registry Number |
| Hazchem Code | Emergency action code of numbers and letters that provide information to emergency services especially firefighters. |
| IARC | International Agency for Research on Cancer |
| NOS | Not otherwise specified. |
| NTP | National Toxicology Program (USA) |
| R-Phrase | Risk Phrase |
| SUSMP | Standard for the Uniform Scheduling of Medicines & Poisons |
| UN Number | United Nations Number |
| NZIoC | New Zealand Inventory of Chemicals |
| TSCA | Toxic Substance Control Act |
| DSL | Canadian Domestic Substance List |
| EINECS | European Inventory of Existing Chemical Substances. |
| TWA | Time Weighted Average |
| STEL | Short Term Exposure Limit |

THIS SDS SUMMARISES TO THE BEST OF OUR KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT IN SECTION 1, AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT OXERRA AUSTRALASIA PTY LTD SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST. PLEASE READ ALL LABELS CAREFULLY BEFORE USING PRODUCT.