Clear Glazes

SAFETY DATA SHEET (SDS)

Version: 01
Date of Issue: July 29, 2025

According to: Australia Industrial Chemical Notification and Assessment Act (INCA Act), Australian Inventory of Chemical Substances (AICS), Work Health and Safety Act (WHS Act)

Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name:	Clear Glazes [Clear One Brushing (NTBR), Clear One Dipping (NTCLR), Crystal Clear Dipping (S2000), Crystal Clear Brushing (S2101), Matte Transparent (C300)]
Product sizes:	4 fl. oz., 16 fl. oz. (1 pint), 128 fl. oz. (1 gallon), 384 fl. oz. (3 gallons)
Other Means of Identification:	None known
Product Description:	Liquid glaze formulations intended to be applied using a brush and then placed in a kiln for glaze firing.

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

Relevant identified use(s): Use products for their intended purpose as ceramics specialty products intended for arts and crafts purposes.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Coloramics, LLC
4077 Weaver Court South
Hilliard, OH 43026
Business Phone: 614-675-1171
Email: info@maycocolors.com

1.4 Emergency telephone number

Emergency Telephone: Contact the local poison control centre.

Section 2 – Hazard(s) Identification

2.1. Classification of the substance or mixture

According to: Australia Industrial Chemical Notification and Assessment Act (INCA Act), Australian Inventory of Chemical Substances (AICS), Work Health and Safety Act (WHS Act); Globally Harmonized System of Classification and Labelling of Chemicals (GHS), 10th Revision:

Physical	Health	Environment
Not classified	Not classified	Not classified

2.2. Label elements

Label Pictogram: None required
Signal Word: None required
Hazard statement: None required
Precautionary Statement: None required
Supplemental Hazard Information: None

2.3. Other hazards

- No other hazards have been identified for this product.

Section 3 – Composition / Information on Ingredients

3.1 Substances

The product is a mixture and not a substance.

3.2 Mixture

Chemical Name	CAS No.	EC No.	% Concentration [a]	GHS Hazards
Quartz (crystalline silica)	14808-60-7	238-878-4	≤1.2900%	H350: Carcinogenicity (Category 1A) (inhalation); H372: Specific target organ toxicity (repeated exposure, Category 1, lungs)
Titanium dioxide	13463-67-7	236-675-5	≤0.1548%	H351: Carcinogenicity (Category 2) (Inhalation)
Zinc oxide	1314-13-2	215-222-5	≤0.9982%	H371: Specific target organ toxicity (single exposure, Category 2, gastrointestinal tract irritation); H400: Acute aquatic toxicity (Category 1); H410: Chronic aquatic toxicity (Category 1)
Zinc pyrithione	13463-41-7	236-671-3	≤0.0118%	H301: Acute oral toxicity (Category 3); H318: Eye damage (Category 1); H330: Acute inhalation toxicity (Category 2); H372: Specific target organ toxicity (repeated exposure, Category 1); H360D: Reproductive toxicity (Category 1B) (May damage the unborn child) H400: Acute aquatic toxicity (Category 1); H410: Chronic aquatic toxicity (Category 1)

[a] Concentrations are calculated as a maximum across all products.

The other ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

It should be noted that the product may contain quartz (CAS No.14808-60-7) and titanium dioxide (CAS No. 13463-67-7) which may be hazardous when inhaled. Given the nature and physical form of the product (*i.e.,* liquid glaze) airborne respirable particles would not likely be released from the product and therefore the hazard is not relevant to the product.

Assessment of this product was based on the assumption that the glaze will not be sanded after it has been fired in the kiln.

Section 4 – First Aid Measures

4.1 Description of first aid measures

Eye contact: No specific first aid measures are required. If irritation occurs, remove contact lenses if present and easy to do – rinse eyes with water. If eye irritation persists: Get medical advice/attention.

Skin contact: No specific first aid measures are required. If irritation occurs, wash with plenty of water and soap. Take off contaminated clothing. If skin irritation persists: Get medical advice/attention.

Inhalation: Inhalation route of exposure is not anticipated with intended use. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

Ingestion: No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to **Section 11 - Toxicological Information.**

4.3 Indication of any immediate medical attention and special treatment needed

- Not required

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding area if material is involved in a fire (e.g., water fog, water spray, foam, dry chemical or carbon dioxide).

Unsuitable Extinguishing Media: None known

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

- Irritating vapours or fumes may form if product is involved in fire:
- See also **Section 10 - Stability and Reactivity**.

5.3 Advice for firefighters

- Wear a self-contained breathing apparatus to protect against potentially irritating vapours or fumes.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment (PPE) and emergency procedures

Personal Precautions: Ventilate area if spilled in confined space or other poorly ventilated areas. Observe PPE advice in **Section 8 – Exposure Controls/Personal Protection**.

Emergency Procedures: Evacuate personnel to safe areas.

6.2 Environmental precautions

- Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities. Prevent further leakage or spillage if it is safe to do so.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures: Contain spill if safe to do so. Collect spillage. Ventilate contaminated area thoroughly. Dispose of contents/container in accordance with local/regional/national/international regulations.

6.4 Reference to other sections

- Refer to **Section 8 - Exposure Controls/Personal Protection** and **Section 13 – Disposal Considerations**.

Section 7– Handling and Storage

7.1 Precautions for safe handling

- Do not breathe mist/vapour/spray
- Wash hands thoroughly after handling.
- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- Refer to **Section 8 – Exposure Controls/Personal Protection**

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed to avoid spills.
- Keep in a cool dry place.

7.3 Specific end use(s)

- Refer to **Section 1.2 – Relevant identified uses**.

Section 8– Exposure Controls / Personal Protection

8.1 Control Parameters:

Occupational exposure limits: Only vapours were considered to be foreseeable under conditions of normal use. Airborne particles, such as dust, are not foreseeable under conditions of normal use.

Chemical Name	CAS No.	ACGIH TLVs TWA	OSHA PELs TWA	NIOSH RELs TWA	DFG MAK TWA
Silica, crystalline, mixed respirable (quartz, cristobalite, tridymite)	14808-60-7	0.025 mg/m^3 [a]	0.05 mg/m^3	0.05 mg/m^3	N/A
Titanium dioxide	13463-67-7	10 mg/m^3 [a]	2.5 mg/m^3 [b, c]	N/A	0.3 mg/m^3 **R** [d]
Zinc oxide, dust & fume	1314-13-2	2 mg/m³ [a]	5mg/m³	5 mg/m³	0.1 mg/m3 **R**

N/A – Not applicable
R – Measured as respirable fractions of the aerosol

[a] Respirable particulate matter
[b] Finescale particles
[c] Total dust
[d] Multiplied with the material density

Note: Titanium dioxide (CAS No. 13463-67-7) values listed above are related to non-ultrafine and non-nanoscale or finescale particles.

8.2 Exposure Controls:

8.2.1 Appropriate engineering controls

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

8.2.2 Personal Protective Equipment

Note: Consider the concentration and amount of product at the workplace when selecting PPE. Use protective equipment as required.

Respiratory: Under normal conditions of use, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Eyes/Face: If contact is likely, safety glasses with side shields are recommended.

Hands: Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur, wear chemically protective gloves.

Body/Skin: Gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material.

Thermal Hazards: None known.

Environmental Exposure Controls: Not available.

Hygiene measures: Observe good industrial hygiene practices. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace and should be washed before reuse. When using the product do not eat, drink or smoke.

8.2.3 Environmental exposure control

- Avoid release to the environment. Refer to Section **6.2 - Environmental precautions** and **Section 13** - **Disposal Considerations** for further information.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

Appearance: **Physical state:** **Color:** **Odor:**	 Liquid Varies by product None	**Partition Coefficient n-octanol/water:** **Auto-ignition temperature:**	 Not available Not available
pH (as supplied):	8 - 9	**Decomposition temperature:**	Not available
Freezing point:	32°F	**Dynamic viscosity:**	Not available
Boiling point:	100°F	**Molecular weight:**	Not available
Flash point:	Not available	**Taste:**	Not available
Evaporation rate:	Not available	**Explosive properties:**	Not available
Flammability:	Not available	**Oxidizing properties:**	Not available
Upper/lower explosive limits:	Not available	**Surface tension:**	Not available
Vapor pressure:	Not available	**Volatile component:**	Not available
Water solubility:	Not available	**Gas group:**	Not available
Vapor density (Air = 1):	Not available	**pH (as solution):**	Not available
Specific gravity (Water = 1):	Not available	**VOC:**	Not available
Relative density:	Not available	**Particle size range:**	Not available

9.2 Other information

- No further data available

Section 10 – Stability and Reactivity

10.1 Reactivity

- This material is not considered to be reactive under normal handling and storage conditions.

10.2 Chemical stability

- This material is considered stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

- Not expected to occur under normal handling and storage conditions.

10.4 Conditions to avoid

- Exposure to high temperatures
- Strong acids
- Strong bases
- Strong oxidisers

10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong reducing agents
- Strong oxidizing agents

10.6 Hazardous decomposition products

- Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

Section 11 – Toxicological Information

11.1. Information on hazard classes:

Likely routes of exposure: Skin/eye contact, inhalation of vapors.
Potential signs and symptoms: None expected under normal conditions of use

Acute oral toxicity:	Zinc pyrithione (CAS No. 13463-41-7) has been classified for acute oral toxicity (Category 3). Product classification is not warranted based on the concentration of zinc pyrithione in the product and given that the product t ATE is >2000 mg/kg.
Acute dermal toxicity:	The product is practically non-toxic based on available animal and human use data. The dermal ATE for the whole product is >2000 mg/kg.
Acute inhalation toxicity:	Zinc pyrithione (CAS No. 13463-41-7) has been classified for acute inhalation toxicity (Category 2). Product classification is not warranted based on the concentration of zinc pyrithione in the product and given that the product ATE is >20 mg/L (vapours).
Skin corrosion/irritation:	The ingredients in this product >1% are not corrosive to the skin or skin irritants based on human and/or animal studies.
Serious eye damage/irritation:	Zinc pyrithione (CAS No. 13463-41-7) has been classified for eye damage (Category 1). Product classification is not warranted for eye effects based on the concentration of zinc pyrithione in the product. The other ingredients in this product >1% are not damaging to the eyes or eye irritants based on human and/or animal studies.
Respiratory or skin sensitization:	The ingredients in this product >0.1% are not sensitizing to the skin or respiratory system based on human and/or animal studies.
Mutagenicity:	The ingredients in this product >0.1% are not mutagenic based on animal studies or no data identified for the components in this product.
Carcinogenicity:	Quartz (crystalline silica) (CAS No. 14808-60-7) (airborne, unbound particles of respirable size) has been classified for carcinogenicity (Category 1). Titanium dioxide (CAS No. 13463-67-7) (airborne, unbound particles of respirable size) has been classified for carcinogenicity (Category 2). Quartz (crystalline silica) (listed as silica dust, crystalline, in the form of quartz or cristobalite) is listed as a Group 1 carcinogen by IARC. Titanium dioxide is listed as a Group 2B carcinogen by IARC. Quartz (crystalline silica) [listed as silica, crystalline (respirable size) / silica, crystalline — α-quartz and cristobalite] and titanium dioxide are also listed as carcinogens by NTP and ACGIH. Product classification is not warranted for carcinogenicity based on a review of available data and the nature/physical form of the product (*i.e.,* liquid glaze). It was assumed that the glaze will not be sanded after it has been fired in the kiln. The other ingredients in the product >0.1% are not carcinogenic based on animal studies or no data identified for the components in this product.
Reproductive Toxicity:	Zinc pyrithione (CAS No. 13463-41-7) has been classified for reproductive toxicity (Category 1B; may damage fertility or the unborn child) has been classified for reproductive toxicity (Category 2; suspected of damaging fertility or the unborn child). Product classification is not warranted for this effect given the concentration of zinc pyrithione in the product. The other ingredients in this product >0.1% are not reproductive toxicants based on animal studies, or no data identified for the components in this product.
Specific target organ toxicity (single exposure):	The ingredients in this product >1% are not single exposure specific target organ toxicity (single exposure) hazards based on animal studies or no data identified for the components in this product

Specific target organ toxicity (repeated exposure):	Quartz (crystalline silica) (CAS No. 14808-60-7) has been classified for specific target organ toxicity (repeated exposure, Category 1; causes damage to lungs through prolonged or repeated exposure via inhalation). Product classification is not warranted for this effect given the nature of the product (i.e., liquid glaze). It was assumed that the glaze will not be sanded after it has been fired in the kiln. Zinc pyrithione (CAS No. 13463 41-7) has been classified for specific target organ toxicity (repeated exposure, Category 1; causes damage to lungs through prolonged or repeated exposure). Product classification is not warranted for this effect given the concentration of zinc pyrithione in the product. The other ingredients in this product >1% are not repeated exposure specific target organ toxicity hazards based on available information, human and/or animal studies.
Aspiration hazard:	The ingredients in this product >1% are not aspiration hazards based on animal studies or no data identified for the components in this product.

References:

ECHA (European Chemicals Agency). 2025. REACH Registered Substances Database. https://echa.europa.eu/search-for-chemicals

IARC (International Agency for Research on Cancer). 2025. Agents Classified by the IARC Monographs, Volumes 1–129. https://monographs.iarc.who.int/list-of-classifications/

NTP (National Toxicology Program). 2021. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. https://ntp.niehs.nih.gov/go/roc15

Section 12 – Ecological Information

12.1 Toxicity

- Environmental hazards are outside the scope of WHS. Based on the criteria outlined in the 10th revision of the GHS, the product is classified for acute aquatic toxicity (Category 2).

Chemical Name	CAS No.	Species	Result
Zinc oxide	1314-13-2	*Danio rerio*	LC_{50} (96h): 1.55 mg/L (bulk ZnO) nominal EC_{50} (84h): 2.066 mg/L (bulk ZnO) nominal
		Daphnia magna	EC_{50} (48h): > 5 - < 16.2 mg/L (bulk ZnO) nominal
		Daphnia magna	EC_{50} (48h): >1.4 - <2.5 mg/L nominal
		Freshwater Alga and Cyanobacteria	EC_{10} (72h): 0.42 mg/L nominal
Zinc pyrithione [a]	13463-41-7	Pimephales promelas	LC_{50} (96h): 0.0026 mg/L NOEC (96h): 0.011 mg/L
		Daphnia magna	LC_{50} (48h): 0.0082 mg/L NOEC (48h): 0.011 mg/L
		Selenastrum capricornutum	EC_{50} (120h): 0.028mg/L NOEC (120h): 0.0078 mg/L

[a] According to Regulation (EC) No. 1272/2008 (CLP), M=1000 for acute aquatic effects and M=10 for chronic aquatic effects.

12.2 Persistence and degradability

- Zinc pyrithione (CAS No. 13463-41-7) is not persistent and rapidly degrades in water and the anaerobic sediment layer.
- No data available for the product.

12.3 Bioaccumulative potential

- Zinc pyrithione (CAS No. 13463-41-7) is unlikely to bioaccumulate in aquatic species, either directly or through the food chain. The estimated log K_{ow} is 0.99.
- No data available for the other ingredients in the product.

12.4 Mobility in Soil

- Zinc pyrithione (CAS No. 13463-41-7) is slightly (K_{oc}=784) or very slightly (K_d=2347) mobile in soils and very slightly mobile (K_{oc}=3597-10633) in sediments.
- No data available for the other ingredients in the product.

12.5 Results of PBT and vPvB assessment

- The ingredients in this product are not considered PBT or vPvB.

12.6 Other adverse effects

- No further data available.

References:

ECHA (European Chemicals Agency). 2025. REACH Registered Substances Database. https://echa.europa.eu/search-for-chemicals

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Preparing wastes for disposal: Use product for its intended purpose or recycle if possible. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

Contaminated Packaging: Container packaging may exhibit hazards.

Section 14 – Transport Information

Note: This product is not regulated as dangerous goods for transport.

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es):	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

Section 15 – Regulatory Information

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

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in **Section 3 – Composition / Information on Ingredients**.

Australia:

Australian Inventory of Chemical Substances (AICS): Nepheline Syenite (CAS No. 37244-96-5) and 2,3,7,8 TCDD (CAS No. 1746-01-6) are not listed in the AICI. All other components in this product can be imported without notification.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act 1989 (as amended): Zinc pyrithione (listed as pyrithione zinc) (CAS No. 13463-41-7) is listed under Schedule 5 (Caution) and Schedule 6 (Poisons). Given the concentration present in the product, these restrictions do not apply. Cadmium (listed as cadmium compounds) is listed under Schedule 6 (Poisons). Given the concentration present in the product, this restriction does not apply. Methanol (CAS No. 67-56-1) is listed under Schedule 5 (Caution), Schedule 6 (Poisons), and Schedule 10 (Substances of such danger to health as to warrant prohibition of supply and use). Given the concentration present in the product, these restrictions do not apply. Lead (listed as lead compounds) is listed under Schedule 6 (Poisons) and Schedule 10 (Substances of such danger to health as to warrant prohibition of supply and use). Given the nature of the product (*i.e.,* ceramic glazes), the following warning statement may apply to some or all colors of the product line: **"CAUTION – Harmful if swallowed. Do not use on surfaces which contact food or drink"**. The other ingredients in the product are not listed in the SUSMP.

Agricultural and Veterinary Chemicals Act 1994: The product is not intended for agricultural or veterinary use.
Prohibition / Licensing Requirements: There are no applicable prohibition or notification / licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

International:
IARC: Quartz (CAS No. 14808-60-7) (listed as silica dust, crystalline, in the form of quartz or cristobalite), 2,3,7,8 TCDD (CAS No. 1746-01-6) (listed as 2,3,7,8-Tetrachlorodibenzo-para-dioxin), and cadmium (listed as cadmium and cadmium compounds) are listed as Group 1, carcinogenic to humans. Talc (CAS No. 14807-96-6) is listed as Group 2A, probably carcinogenic to humans. Titanium dioxide (CAS No. 13463 67-7) and lead are listed as Group 2B, possibly carcinogenic to humans. No other ingredients in this product are classified with respect to carcinogenicity.

15.2 Chemical Safety Assessment

- None available for the components in this product.

Section 16 – Other Information

List of acronyms and abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists	NTP: National Toxicology Program
ATE: Acute Toxicity Estimate	OSHA: Occupational Safety and Health Administration
CAS: Chemical Abstract Service Number	PBT: Persistent, Bioaccumulative and Toxic
DFG MAK: Deutsche Forschungsgemeinschaf Maximale Arbeitsplatzkonzentration	PEL: Permissible Exposure Level
EC: European Commission	PPE: Personal Protective Equipment
EC_{10}: 10% effect concentration	REACH: Registration, Evaluation, Authorisation and restriction of Chemicals
EC_{50}: Median effective concentration	REL: Recommended exposure level
ECHA: European Chemicals Agency	SDS: Safety Data Sheet
GHS: Global Harmonized System	SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
IARC: International Agency for Research on Cancer	TWA: Time-weighted average
IBC: International Bulk Chemical	UN: United Nations
LC_{50}: Lethal Concentration 50%	vPvB: very Persistent, very Bioaccumulative
MARPOL: Maritime Pollution	VOC: Volatile Organic Compound
N/A: Not applicable	WHS: Work Health and Safety Act
NOEC: No Observed Effect Concentration	TLV: Threshold limit value
NIOSH: National Institute for Occupational Safety & Health	

References:

ECHA (European Chemicals Agency). 2025. REACH Registered Substances Database. https://echa.europa.eu/search-for-chemicals
IARC (International Agency for Research on Cancer). 2025. Agents Classified by the IARC Monographs, Volumes 1-129. https://monographs.iarc.who.int/list-of-classifications/
NTP (National Toxicology Program). 2021. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service. https://ntp.niehs.nih.gov/go/roc15

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Revision Indicator: This is a new Safety Data Sheet.

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