



SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Revision date: March 2022.

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

1.1. Product identifier

Product name Spectrum Stoneware Glaze Cone 4/6 (1100 series)

Product number 808-700 to 805-865

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

Manufacturer / Supplier PotteryCrafts Ltd / Tiranti
Campbell Road
Stoke
Stoke-on-Trent.
ST4 4ET
Tel 44 (0)1782 745000
sales@potteryCrafts.co.uk / Enquiries@tiranti.co.uk

1.4. Emergency telephone number +44(0) 1782 745000 Office Hours 08:30 – 16:30 hrs Mon-Friday.

SECTION 2: Hazards identification

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Skin Sensitization Category 1

Reproductive Toxicity - Category 1B

Reproductive Toxicity - Category 2

Acute Toxicity Oral - Category 4

Germ Cell Mutagenicity - Category 2

Specific Target Organ Toxicity - Repeated or Prolonged Exposure - Category 1

Carcinogenicity - Category 1A

Hazardous to the Aquatic Environment - Chronic - Category 1

Hazardous to the Aquatic Environment - Chronic - Category 2

Hazardous to the Aquatic Environment - Chronic - Category 4

Hazardous to the Aquatic Environment - Acute - Category 1

Pictogram(s):



Signal word: Danger

Hazard statement(s):

Causes damage to organs. Harmful if swallowed. May cause an allergic skin reaction. May cause cancer by inhalation. May cause long lasting harmful effects to aquatic life.. May damage fertility. May damage the unborn child. Suspected of causing genetic defects. Suspected of damaging the unborn child. Toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Precautionary statement(s):

Prevention



Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breath dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Get medical advice/attention. Get medical advice/attention if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1. Mixture

<u>Hazardous Ingredients</u>	<u>CAS/EC #</u>	<u>PEL/TLV</u> <u>(MG/M#)</u>	<u>Max</u>	<u>% Weight</u>	<u>NTP</u>	<u>IARC</u>
BORIC ACID	10043-35-3	N/A		1.50000	N	N
NICKEL OXIDE	1313-99-1	N/A		2.5000 0	N	N
ZINC	1314-13-2	N/A		4.11040	N	N
VANADIUM PENTOXIDE	1314-62-1	N/A		4.00000	N	N
REACTION MASS OF: 5-CHLORO-2-METHYL--4-IS	1314-13-2	N/A		4.11040	N	N
MANGANESE	7439-96-5	5.00		17.60000	N	N
NICKEL	7440-02-0	1.00		2.05001	Y	Y
BARIUM	7440-39-3	0.50		1.39276	N	N
COPPER	7440-50-8	1.00		3.54600	N	N

SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a Doctor. NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if symptoms persist.

Skin contact: Wash with soap and water. In case of skin irritation, consult a physician.

Eye contact: Flush with water for at least 15 minutes, keeping eyelids open. If irritation continues, seek medical attention.

Ingestion: Seek immediate medical attention.

SECTION 5: Firefighting measures

FLASH POINT (METHOD): N/A
EXPOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL METHOD REQUIRED
FIRE FIGHTING PROCEDURES: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED
UNUSUAL FIRE \$ EXPLOSION HAZARDS: NOT COMBUSTIBLE

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing to prevent any contamination of skin, eyes and personal clothing. Avoid inhalation and ensure sufficient ventilation.

6.2. Environmental procedures

Contain spill safely, if possible. Prevent from entering drains, watercourses and sewers.

6.3. Methods and material for containment and cleaning up

Contain spill with inert material such as sand, earth or vermiculite. Collect and dispose of safely.

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6.4. Reference to other sections

Refer to section 8 for further details on personal precautions, protective equipment and emergency procedures.
Refer to section 13 for further disposal details.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures:	Handle in accordance with good industrial hygiene and safety. Avoid inhalation, use in well-ventilated areas and wear personal protective clothing.
Measures to prevent fires:	Keep away from sources of ignition.
Measures to prevent the environment:	Protect shafts and sewers from entry of the product.
Advice on general occupational hygiene:	Work in well-ventilated zones or use proper respiratory protection. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safety storage, including any incompatibilities

Keep in original containers, tightly sealed and in a well-ventilated area. Store away from heat and direct sunlight.

7.3. Specific end use(s)

Recommendations: Observe instructions of use.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Advisory OEL (CEPIC – HSPA): 1200mg/m³

8.2. Exposure controls

Personal protection:

Respiratory protection:

Avoid, as far as is reasonable practical, inhalation of vapour, mists or fumes generated during use and use in a well-ventilated area. If possible, use a mechanical ventilator. If technical exhaust or ventilation measures are not possible or insufficient, wear respiratory protection.

Work/Hygiene Practices:

Avoid prolonged contact with skin. Wash hands immediately after use. When using do not eat, drink, or smoke.

Engineering Controls:

Keep in original container.
NOT FOR USE IN HEALTH CARE FACILITIES.
KEEP OUT OF REACH OF CHILDREN.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

BOILING POINT: N/A

MELTING POINT: N/A

VAPOUR PRESSURE: N/A

SPECIFIC VAPOUR DENSITY

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

Note: These are typical values and are not intended as a specification.

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product.

10.2. Chemical stability

Chemically stable under normal temperatures, recommended conditions of storage and use.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Not applicable.



SECTION 11: Toxicological information

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYED DAMAGE TO THE LUNGS. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. MAY BE HARMFUL IF SWALLOWED. CONTACT MAY RESULT IN REDNESS OR PAIN IN THE EYES. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.

The summated LD50 is 566.6 mg/kg.

The summated LC50 is 32924 mg/cubic meter.

This product is considered to be a known or suspected human carcinogen by NTP, IARC, or OSHA (see SECTION III).

SECTION 12: Ecological Information

Aquatic Hazard Statement(s)

Toxic to aquatic life with long lasting effects.

Mau cause long lasting harmful effects to aquatic life.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects

SECTION 13: Disposal considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

General information

Do not pour into drains or waterways

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

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

IMDG: Not classified as hazardous.

ADR/RID: Not classified as hazardous.

IATA: Not classified as hazardous.

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

CONTENTS OF THIS SDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

EPA SARA TITLE III CHEMICAL LISTINGS:

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

NONE

SECTION 313 TOXIC CHEMICALS (40 CFR 372):

MANGANESE

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INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:

ALUMINUM OXIDE
FERRIC OXIDE
QUARTZ

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

ALUMINUM OXIDE
BARIUM OXIDE
MANGANESE
PIGMENT RED 101
QUARTZ

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

IRON OXIDE FUME
MANGANESE
QUARTZ DUST

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS' HAZARDOUS SUBSTANCE LIST:

ALUMINUM OXIDE
IRON OXIDE DUST
MANGANESE
QUARTZ

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MICHIGAN'S CRITICAL MATERIALS REGISTER:

NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

QUARTZ
IRON OXIDE FUME (Fe₂O₃) as Fe
MANGANESE, elemental and compounds as Mn
α-ALUMINA

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

ALUMINUM OXIDE
IRON OXIDE
MANGANESE
QUARTZ

Under CPSC's consumer products regulations (16 CFR 1500.3 and 1500.14), this product has the following required acute and chronic hazard labelling:

WARNING: MAY BE HARMFUL IF SWALLOWED. EXPOSURE MAY CAUSE ALLERGIC REACTIONS, OR HARM TO THE DEVELOPING FETUS.

Contains: BARIUM, COPPER, MANGANESE, NICKEL, VANADIUM PENTOXIDE, ZINC

PRECAUTIONS: Avoid prolonged contact with skin. Keep in original container. Wash hands immediately after use. When using do not eat, drink or smoke. **AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: If swallowed, get prompt medical attention.

SECTION 16: Other information

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Hazard statements in full

This product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of material.

Colour Information

THIS SDS APPLIES TO THE FOLLOWING COLORS WHICH ARE ASSOCIATED WITH HAZARDOUS AND/OR NON-HAZARDOUS INGREDIENTS.

<u>Product Number & Color</u>	<u>Hazardous Ingredient</u>
1100 TRANSPARENT	(NONE)
1102 WEDGWOOD BLUE	(NONE)
1103 DUSTY ROSE	(NONE)
1104 GRASS GREEN	(NONE)
1106 CRIMSON	(NONE)
1107 BLACK	(NONE)
1108 BUTTER YELLOW	(NONE)
1109 CORAL	(NONE)
1110 TURQUOISE	(NONE)
1111 HOLLY GREEN	COPPER
1112 GOLD	COPPER
	MANGANESE
1113 TEXTURE MILK N HONEY	(NONE)
1114 GOLD RAIN	COPPER
	MANGANESE
1115 TEXTURE MOONSCAPE	(NONE)
1116 MIRROR	COPPER
	MANGANESE
1117 TEXTURE CHOCOLATE	(NONE)
1118 WHITE	(NONE)
1120 SATIN CLEAR	(NONE)
1121 SATIN WHITE	(NONE)
1122 SATIN MOTTLE	(NONE)
1123 SATIN SPECKLE	(NONE)
1124 SATIN WEDGWOOD	(NONE)
1126 SATIN BLACK	(NONE)
1127 SATIN TURQUOISE	(NONE)
1129 TEXTURE OASIS	MANGANESE
1131 CHARCOAL	(NONE)
1132 PURPLE	(NONE)
1134 CHOCOLATE BROWN	(NONE)
1135 NAVY BLUE	(NONE)
1136 ROYAL BLUE	(NONE)
1137 TEAL BLUE	(NONE)
1138 LIME GREEN	(NONE)
1140 TEXTURE KIWI FRUIT	(NONE)
1141 TEXTURE CASCADE	(NONE)
1142 TEXTURE WHEAT	(NONE)
1143 TEXTURE NAVY	(NONE)
1144 TEXTURE MOTTLE	(NONE)
1145 TEXTURE AUTUMN	(NONE)
1146 TEXTURE SWAMPY	COPPER
	VANADIUM PENTOXIDE
1147 DELFT BLUE	ZINC
1148 TEXTURE CHOWDER	VANADIUM PENTOXIDE
1149 OCEANIC BLUE	(NONE)
1151 FUSCHIA	(NONE)
1152 TEXTURE CHROME	VANADIUM PENTOXIDE
1153 TEXTURE CHROME	VANADIUM PENTOXIDE
1154 TEXTURE IRON	VANADIUM PENTOXIDE
1155 TEXTURE PEBBLE STONE	(NONE)
1156 OLIVE STONE	(NONE)

1157	TEXTURE HONEY	VANADIUM PENTOXIDE
1158	TEXTURE BRONZE	COPPER
		VANADIUM PENTOXIDE
1159	GREEN STONE	COPPER
1161	TEXTURE TOPAZ	MANGANESE
		VANADIUM PENTOXIDE
1162	TEXTURE BURGUNDY	VANADIUM PENTOXIDE
1164	DARK RED	(NONE)
1165	BRIGHT RED	(NONE)
1166	BRIGHT ORANGE	(NONE)
1167	BRIGHT GREEN	(NONE)
1168	BRIGHT PURPLE	(NONE)
1169	DARK PURPLE	(NONE)
1170	TEXTURE MULBERRY	(NONE)
1171	TEXTURE RUM N RAISIN	(NONE)
1172	TEXTURE LEOPARD	VANADIUM PENTOXIDE
1173	RUNNING HOT CHOWDER	VANADIUM PENTOXIDE
1176	CINNAMON RIPPLE	(NONE)
1177	ANTIQUUE MOTTLE	(NONE)
1180	LAGOON	(NONE)
1181	TEXTURE CLOUDBURST	(NONE)
1182	TEXTURE JUNGLE	(NONE)
1183	TEXTURE DARK CLOUD	(NONE)
1184	HUNTER GREEN	(NONE)
1185	FOREST GREEN	(NONE)
1186	SOFT PINK	(NONE)
1187	CLEAR CRACKLE	(NONE)
1188	PEWTER	COPPER
		KEEP IN ORIGINAL CONTAINER
		MANGANESE
		NICKEL
		ZINC
1191	MUDDY WATERS	MANGANESE
1192	REACTIVE PURPLE	(NONE)
1193	FIRE ENGINE RED	(NONE)
1194	CHRISTMAS RED	(NONE)
1195	NEON ORANGE	(NONE)
1196	HOT PINK	(NONE)
1197	TEXTURE POMEGRANATE	ZINC
1198	OIL SPOT	COPPER
		KEEP IN ORIGINAL CONTAINER
		MANGANESE
		NICKEL
1199	TEXTURE MOSSY	(NONE)