

SAFETY DATA SHEET

01/11/2018

SECTION I - IDENTIFICATION

Material Name

SPECTRUM STONEWARE GLAZE CONE 4/6 (1100 SERIES)

Company Information

Spectrum Glazes Inc.
273 Bowes Rd, Unit A1
Concord, ON L4K 1H8
Phone: 905-695-8355
Fax: 905-695-8354
Email: sales@spectrumglazes.com

For transportation emergencies only call: 905-695-8355.

For health emergencies call the Poison Control Center: 1-800-222-1222.

SECTION II - 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

GHS Label Elements

Symbol(s)



Signal Word(s)

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.

SECTION III - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS/EC #</u>	<u>PEL/TLV (MG/M#)</u>	<u>Max % 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 IV - FIRST AID MEASURES

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

SECTION V - FIRE FIGHTING 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 VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal see Section XIII.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE: Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use a locally exhausting hood appropriate for the operation. Use with ventilation adequate to keep exposure within published exposure limits (SEE SECTION III). Use NIOSH certified mask for dusts or mists if exposure levels exceed published exposure limits (SEE SECTION III).

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required.

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 IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
VAPOUR PRESSURE: N/A
SPECIFIC VAPOUR DENSITY
SOLUBILITY IN WATER: N/A

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY (STABLE CONDITIONS TO AVOID): N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: EXPOSURE MAY CAUSE ACUTE OR DELAYEDDAMAGE 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 XII - ECOLOGICAL INFORMATION

Aquatic Hazard Statement(s)

Toxic to aquatic life with long lasting effects.
May cause long lasting harmful effects to aquatic life.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S.DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - 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

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.

For further health information contact a poison control center or call 1-800-970-1970.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to the specific materials as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

COLOR 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

Product Number & Color	Hazardous Ingredient
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 ANTIQUE 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
1191 MUDDY WATERS	ZINC
1192 REACTIVE PURPLE	MANGANESE
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)