

SAFETY DATA SHEET

01/11/2018

SECTION I - IDENTIFICATION

Material Name

SPECTRUM HI-FIRE GLAZES CONE 9/10 (1200 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 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 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> |
|--|------------------------------------|
| 1200 TRANSPARENT | (NONE) |
| 1201 SATIN CRACKLE | (NONE) |
| 1207 TURQUOISE | (NONE) |
| 1209 BLACK | (NONE) |
| 1210 WHITE | (NONE) |
| 1211 MUSTARD | (NONE) |
| 1212 LIGHT BLUE | (NONE) |
| 1213 SPRING GREEN | (NONE) |
| 1214 GRASS GREEN | (NONE) |
| 1215 RUBY | (NONE) |
| 1221 TEXTURE OATMEAL | (NONE) |
| 1222 CINNAMON LAVA | VANADIUM PENTOXIDE |
| 1225 TEXTURE HONEY | (NONE) |
| 1227 TEXTURE EMERALD | COPPER |
| 1228 TEXTURE GRAY | VANADIUM PENTOXIDE |
| 1229 BLUE | (NONE) |
| 1234 TEXTURE SEAFOAM | COPPER |
| 1235 TEXTURE BLUE | (NONE) |
| 1237 TEXTURE EMERALD | (NONE) |
| 1243 TEAL | (NONE) |
| 1244 SKY BLUE | (NONE) |
| 1254 YELLOW | (NONE) |
| 1263 BLUE LAVA | VANADIUM PENTOXIDE |
| 1269 ORCHID LAVA | VANADIUM PENTOXIDE |
| 1273 BRIGHT GREEN | (NONE) |
| 1276 FIRE ENGINE RED | (NONE) |
| 1277 CHRISTMAS RED | (NONE) |
| 1278 NEON ORANGE | (NONE) |
| 1279 HOT PINK | (NONE) |