81986-XXXX

SAFETY DATA SHEET

01/11/2018

SECTION I - IDENTIFICATION

Material Name
SPECTRUM LOW STONE GLAZES CONE 06/04 (900 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.

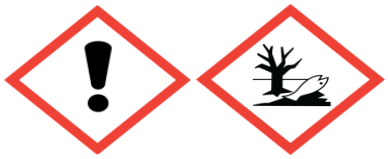
SECTION II - HAZARDS IDENTIFICATION

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

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)
Harmful if swallowed. May cause an allergic skin reaction. May cause long lasting harmful effects to aquatic life.. May damage fertility. 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

Hazardous Ingredients	CAS/EC #	PEL/TLV (MG/M#)	Max % Weight	NTP	IARC
NICKEL OXIDE	1313-99-1	N/A	2.5000 0	N	N
ZINC	1314-13-2	N/A	4.11040	N	N
MANGANESE	7439-96-5	5.00	17.60000	N	N
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 EXPOLSIVE
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
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

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 log lasting effects.
Mau cause long lasting harmful effects to aquatic life.
Very toxic to aquatic life.
Very toxic to aquatic life with log 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:
FERRIC OXIDE
QUARTZ

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

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

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATIOJN 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 CONERN TO CHILDREN:
NONE

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

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:
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.
Contains: BARIUM, COPPER, MANGANESE, NICKEL OXIDE, 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.

Product Number & Color	Hazardous Ingredient
900 CLEAR	(NONE)
901 EVENING SHADOW	COPPER
	MANGANESE
902 ICEBERG	COPPER
	MANGANESE
903 EMERALD	COPPER
904 INDIAN SUMMER	(NONE)
905 WHEATFIELD	ZINC
906 BURNT SUGAR	ZINC
907 AUTUMN LEAVES	ZINC
908 MOLTEN STONE	ZINC
909 CAMEL	ZINC
910 DESERT	ZINC
911 STAR DUSTY	ZINC
912 CLOUDY SKY	ZINC
913 OLD COPPER	ZINC
	COPPER
	MANGANESE
914 GATOR	ZINC
	NICKEL OXIDE
915 BUFFALO HIDE	ZINC
	NICKEL OXIDE
916 LEATHER	(NONE)
918 OLIVE BRANCH	ZINC
	NICKEL OXIDE
919 FOREST MOSS	ZINC
920 MIDNIGHT SKY	ZINC
921 IRON EARTH	ZINC
922 RUSSET	ZINC
923 HAZELNUT	ZINC
	MANGANESE
	NICKEL OXIDE
924 SLATE	ZINC
925 BLUSH	(NONE)
926 LIZARD SKIN	(NONE)
927 TUSCAN SUN	MANGANESE
	BARIUM
928 OXBLOOD	(NONE)
929 MOCHA	MANGANESE
930 FRANCISCAN GRAY	ZINC
931 DOVE GRAY	(NONE)
932 PISTACHIO	(NONE)
933 STRAWBERRY	MANGANESE
	BARIUM
934 SPECKLED TURQUOISE	COPPER
935 PURPLE HAZE	(NONE)
936 TORTOISE SHELL	(NONE)
937 SPECKLED ADOBE	ZINC

Product Number & Color	Hazardous Ingredient
938 BLUE RAIN	(NONE)
939 CHOCOLATE CHIP	(NONE)
940 SPOTTED PLUM	(NONE)
941 DRAGONFLY	COPPER
942 MEDITERRANEAN	(NONE)
943 GLACIER	(NONE)
944 DESERT WIND	ZINC
945 ROBIN'S EGG BLUE	COPPER
946 CADET BLUE	COPPER
	MANGANESE
947 SEAGREEN	COPPER
948 TORTILLA	ZINC
949 DEEP SEA	(NONE)
950 MOONLIT SKY	(NONE)
951 SUNSET RED	(NONE)
952 METEOR SHOWER	(NONE)
953 ESPRESSO	MANGANESE
954 POLISHED ARMOR	COPPER
	MANGANESE
955 EGGPLANT	MANGANESE
956 SMOKE 'N MIRRORS	COPPER
	MANGANESE
957 KELP FOREST	BARIUM
958 RAINFOREST	BARIUM
959 TARNISHED SILVER	COPPER
	MANGANESE
	BARIUM
960 GUNMETAL	COPPER
	MANGANESE
961 BULLFROG	COPPER
962 PHOENIX RED	BARIUM