MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT AND COMPANY INFORMATION

Product Name:	**Concrete Roof Tile**	Trade Name:	**Crown Roof Tiles**
Manufactured by:	**Crown Building Products of Florida, LLC and Crown Building Products, LLC**		
Address:	**Florida Plant:** 6018 SW Hwy. 72, Arcadia, FL 34266		
Telephone:	**844.642.7696**		

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components/CAS Number	OSHA PEL (MG/M1)	ACGIH TLV (MG/M2)	% By Weight
Hydrated Portland Cement 7732-18-5	15 Total, 5 Repairable	10 Total, 3 repairable	20 - 25
Sand (Variable silica content) 14808-60-7	See Section V	See Section VI	75 - 80
Metal Oxide Pigments Various mixtures to produce color selection)			0.3 - 0.8
Titanium Dioxide (White) 13463-67-7	15	10 Total, 3 repairable	-
Iron Oxide (Black, Red & Yellow) 1309-37-1	10 (Fume)	5 (Dust and fume)	-
Chromium (III) Oxide (Green) 1308-96-6	1	0.5	-
Cobalt Metal (Blue) 1307-96-6	0.1	0.05	-

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	**Not Applicable**	Specific Gravity (H20 = 1)	**Denser than water**
Vapor Pressure:	**Not Applicable**	Melting Point	**Not Applicable**
Vapor Density:	**Not Applicable**	Evaporation Rate (Butyl Acetate=1)	**Not Applicable**
Solubility in Water:	**Negligible**		
Appearance and Odor:	**Granular Solid. Essentially odorless**		

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Roof Tile as shipped does not pose a fire or explosion hazard.

SECTION V: REACTIVITY DATA

Roof Tile as shipped is not reactive.

Section VI: HEALTH HAZARDS DATA

Roof tile as shipped does not present an inhalation, ingestion or contact hazard, however, heavy solid objects can generate dust during cutting, grinding or drilling and may result in the following effects.

ACCUTE EFFECTS OF OVEREXPOSURE:

Eyes: May cause irritation by abrasion with dust or chips.

Skin: Concrete dust or chips may cause irritation or rashes with some individuals. May cause cuts and skin abrasions.

Inhalation: Concrete dust or chips mat cause congestion and irritation in nasal and respiratory passages.

Ingestion: No known acute effects.

CHRONIC EFFECTS OF OVEREXPOSURE

Excessive exposures to breathable particulates (dust) over an extended period of time may result in the development of pulmonary diseases such as silicosis.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Ventilation: Provide adequate ventilation to maintain exposures the OSHA PEL and ACGIH, for quartz and other substances.

Repertory Protection: For airborne concentration exceeding the OSHA PEL or ACGHI TLV use a NIOSH and/or MSHA approved respirator as required by the OSHA Respirator Standard 20 CFR 1910.134.

Eyes: Use safety glasses with side shields. **Skin Protection:** Use gloves and/or protective clothing if abrasion or allergic reactions are experienced.

Other controls: Use of wet sawing methods is recommended

SECTION VIII: FIRST AID AND MEDICAL

Inhalation: Remove from exposure to airborne particulates. Dust in throat and nasal passages should clear spontaneously. Consult a physician if breathing does not return to normal.

Skin: Wash with soap and water. If skin reaction causes irritation or a rash that does not heal, consult a physician.

Eyes: Flush with running water. Obtain medical attention if irritation continues.

Excessive dust exposure may aggravate existing respiratory disorders.

SECTION IX: HANDLING AND STORAGE INFORMATION

Precautions to be taken in handling and storing: None for normal handling and storage of intact tiles. This product is not intended or designed for use as an abrasive-blasting medium or for foundry applications and should not be used for these purposes. Do not store near food and beverages or smoking materials.

Waste disposal methods: Concrete roof tiles scrap is classified as a non-hazardous solid waste for disposal.

SECTION X: OTHER REGULATORY INFORMATION

Classification of product for regulatory purposes: Concrete roof tile is an “article” as defined in 29 CFR Part 1200 (b)(5)(IV) and 40 CFR Part 372.38. As an article, a MSDS is not required for the products normal storage, transportation and use. OSHA requires a MSDS for roof tile since it is occasionally cut, ground or drilled in a manner that generates dust.

This MSDS was prepared with information believed accurate at the time of reparation and was prepared in good faith. However, Crown Roof Tile assumes no responsibility as to the accuracy, suitability of such information and no warranty expressed or implied is made.