



St. Marys Cement Company

MATERIAL SAFETY DATA SHEET

VENDEE AND THIRD PERSONS ASSUME THE RISK OF INJURY PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT FOLLOWED AS PROVIDED FOR IN THE DATA SHEET, AND VENDOR SHALL NOT BE LIABLE FOR SUCH INJURY. FURTHERMORE, VENDOR SHALL NOT BE LIABLE FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL, EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED.

ALL PERSONS USING THIS PRODUCT, ALL PERSONS WORKING IN AN AREA WHERE THIS PRODUCT IS USED, AND ALL PERSONS HANDLING THIS PRODUCT SHOULD BE FAMILIAR WITH THE CONTENTS OF THIS DATA SHEET. POSTING THIS DOCUMENT FOR EMPLOYEE NOTIFICATION IS RECOMMENDED BY THE VENDOR.

SECTION I

MANUFACTURER'S NAME: St. Marys Cement Company

ADDRESS: 9333 Dearborn Street, Detroit, Michigan 48209

CHEMICAL NAME AND SYNONYMS: Class C Fly Ash and Type S Slag Cement

TRADE NAME AND SYNONYMS: Class C Fly Ash and Type S Slag Cement

CHEMICAL FAMILY - Calcium Oxides

Formulae

SiO ₂	(CAS #14808-60-7)
CaO	(CAS #1305-78-8)
MgO	(CAS #1309-48-4)

Plus small amounts of K₂SO₄, Na₂SO₄

SECTION II — HAZARDOUS INGREDIENTS

NONE

SECTION III — PHYSICAL DATA

Boiling point - N.A.	Specific gravity - 2.75 - 2.95
Vapor pressure - N.A.	Percentage volatile by volume - N.A.
Vapor density - N.A.	Evaporation rate - N.A.
Solubility in water - Slight (0.1 - 1%)	Appearance & odor - Gray (or white) powder; odorless

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash point - N.A.

Flammable or explosive limits - N.A.

Extinguishing media - N.A.

Special firefighting procedures - N.A.

Unusual fire and explosion hazards - None

SECTION V — HEALTH HAZARD DATA

Threshold Limit Value -	5 mg/m ³ ACGIH (respirable dust) 10 mg/m ³ ACGIH (total dust) 30 million particles per cubic foot
Effects of overexposure -	
Acute -	Wet Class C Fly Ash and Type S Slag Cement, especially as an ingredient in plastic (unhardened) concrete, can dry the skin and cause alkali burns. Their dust can irritate the eyes and upper respiratory system.
Chronic -	The dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis.
Emergency and first-aid procedures -	Irrigate eyes with water. Wash affected areas of the body with soap and water.

SECTION VI — REACTIVITY DATA

Stability -	Product is stable. Although no hazardous reaction will occur, these products should be kept dry until used.
Incompatibility -	None
Hazardous decomposition products -	None
Hazardous polymerization -	Will not occur.

SECTION VII — SPILL PROCEDURES

Steps to be taken in case material is spilled -	Use dry cleanup methods that do not disperse the dust into the air. Avoid breathing the dust. Wear respirator or dust mask and tight fitting goggles.
Waste disposal method -	Spill material can be disposed of as common waste.

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiratory protection -	In dusty environments, the use of a NIOSH approved respirator is recommended.
Ventilation -	Local exhaust can be used, if necessary, to control airborne dust levels.
Eye protection -	In dusty environments, the use of tight fitting goggles is recommended.
Skin protection -	Use barrier creams, gloves, boots and clothing to protect the skin from prolonged contact with wet Class C Fly Ash and or Type S Slag cement, especially in plastic concrete. Immediately after working with these products, workers should shower with soap and water. Precautions must be observed because chemical burns occur with little warning — little heat is sensed.

SECTION IX — SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing -	None
Other precautions -	None
Prepared by	TECHNICAL SERVICES DEPARTMENT (313) 842-4600
Address	9333 DEARBORN STREET, DETROIT, MICHIGAN 48209
Date	MARCH, 1992