SAFETY DATA SHEET

CFX700 & CFX760 PRODUCTS

SECTION 1 – GENERAL INFORMATION

Manufacturer:	Joy-Mark, Inc. 5935 S. Pennsylvania Ave. Cudahy, WI 53110
Emergency Contact:	414-769-8155
Product Identifier:	Exothermic riser sleeves
Product Application:	Used in high temperature process as an insulating exothermic barrier.
Chemical Name:	N/A
Chemical Family	Aluminosilicate riser sleeves

SECTION II – HAZARD IDENTIFICATION

WARNING**:** Irritant, May cause damage to lungs with repeated inhalation.

SECTION III – CHEMICAL COMPOSITION

Components:	CAS Number	%	
Aluminosilicate	142844-00-6	<50	
Mullite	1302-93-8	<20	(For CFX760 only)
Aluminum (granules & grindings)	7429-90-5	<30	
Manganese Dioxide	1313-13-9	<10	
Amorphous Silica	7631-86-9	<5	
Starch	56780-58-6	<10	
Trisodium Hexafluoroaluminate	13775-53-6	<5	
Crystalline Silica (Quartz)	14808-60-7	<10	
Urea Formaldehyde Resin	9011-05-6	<5	

Note: Specific percentages of chemical composition have been withheld due to proprietary information.
PNOC: Particles Not Otherwise Classified.

SECTION IV – FIRST AID MEASURES

Inhalation:	Remove to fresh air.
Eyes:	Flush with copious amounts of water for 15 minutes. Get medical attention if irritation persists.
Skin:	Wash with soap and water. Get medical attention if irritation persists.
Ingestion:	Do not induce vomiting. Drink large quantities of water. If vomiting occurs, drink more water. Get medical attention immediately.

SECTION V – FIRE FIGHTING MEASURES

Auto Ignition Temperature:	Above 250F
Extinguishing Media:	Isolate fire with sand or other inert materials. **DO NOT USE WATER**
Special Fire Fighting Procedures:	Avoid procedures which would cause a dust cloud of the material being formed. NIOSH approved self-contained breathing apparatus when fighting fires is recommended.
Unusual Fire and Explosion Hazards:	When ignited will produce extreme heat. Product dust may form an explosive mixture with air

SECTION VI – ACCIDENTAL RELEASE CONTROL MEASURES

Steps to be taken in Case of a Spill:	Avoid practices that produce dust. Use non-sparking tools only.

SECTION VII – HANDLING AND STORAGE

Eye Protection:	Dust goggles recommended
Hand/Skin Protection:	Impervious gloves are recommended
Storage:	Store in dry environment, away from strong oxidizing agents

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION PROCEDURES

Component:	CAS Number	%	OSHA PEL	ACGIH TLV
Aluminosilicate	142844-00-6	<50	None * 15 mg/m3-Total dust 5 mg/m3-Respirable	NA
Aluminum Oxide	1344-28-1	<20	15 mg/m3 - Total dust 5 mg/m3 – Respirable fraction	1 mg/m3
Aluminum	7429-90-5	<30	15 mg/m3 - Total dust 5 mg/m3 – Respirable fraction	1 mg/m3
Manganese Dioxide	1313-13-9	<10	5 mg/m3 (C) as Mn 5 mg/m3 (C) as Mn fume	0.02 mg/m3 respirable
Amorphous Silica	7631-86-9	<5	***	NA
Starch	56780-58-6	<10	A substance-not classified	
Trisodium Hexafluoroaluminate	13775-53-6	<5	2.5 mg/m3 as F	2.5 mg/m3 as F
Crystalline Silica (Quartz)	14808-60-7	<10	**	0.025 mg/m3
Urea Formaldehyde Resin	9011-05-6	<5	15 mg/m3-Total 5 mg/m3-Respirable	10mg/m3 Total 3mg/m3 Respirable

* REG 0.5f/cc 8 hr. TWA (OSHA) & 0.2f/cc TLV 8 hr. TWA (ACGIH)
** PEL for Quartz is calculated using formula 10mg/m3 / %Sio2 + 2
*** PEL for amorphous silica, including diatomaceous earth is calculated using formula 80 mg.m3 / % Sio2

Control Measures:

Ventilation:	Local exhaust recommended, when necessary, to maintain exposure below the permissible limit.
Respiratory Protection:	Use NIOSH approved respirator for exposure above permissible limit.
Hand/ Skin Protection:	Impervious gloves are recommended.
Eye Protection:	Dust goggles are recommended.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

	CFX700	**CFX760 (same as CFX700 except)**
Appearance and Odor:	Gray compressed fiber and aggregate with no odor.	(same but brownish green)
Specific Gravity (H20=1):	Approximately 0.37	(Approx. 0.72)
Solubility in water:	Less than 5 percent	(<1%)
Flash Point:	Not determined	
pH:	NA	
Evaporation Rate:	NA	
Vapor Pressure:	NA	
Vapor Density:	NA	
LEL:	None	
UEL:	None	
Auto Ignition Temp.	>250 F	
Boiling Point:	NA	
Melting Point:	NA	
Flammability:	Combustible, will ignite at a temperature > 250 F	
Viscosity:	NA	
Decomposition Temp.:	Not determined	
Partition Coefficient:	Not determined	

SECTION X – STABILITY AND REACTIVITY

Stability Data:	Unstable ___ Stable X
Incompatibility (Conditions to Avoid):	Water or moist air, strong oxidizing agents
Hazardous Polymerization:	May Occur __ Will Not Occur X
Hazardous Decomposition Products:	Mineral fibers may produce crystalline silica at elevated temperatures

SECTION XI – TOXICOLOGICAL INFORMATION

Effects of Overexposure:

Inhalation: May cause respiratory irritation with prolonged inhalation possibly resulting in silicosis or fibrosis.
Eyes: May cause irritation.
Skin: May cause irritation and inflammation due to mechanical action of fibers.
Ingestion: May cause gastrointestinal disturbances, irritation, nausea, vomiting and diarrhea.

Some recent studies have caused the International Agency for research on Cancer (IARC) to categorize crystalline silica as a 2A carcinogen. A 2A carcinogen is one for which, 1) there is sufficient evidence of carcinogenicity in experimental animals and 2) there is limited evidence of carcinogenicity in humans.

Additionally, IARC has categorized refractory ceramic fibers as a 2B carcinogen. A 2B carcinogen is one for which 1) there is sufficient evidence of carcinogenicity in experimental animals and 2) there is the possibility of carcinogenicity to humans.

SECTION XII - ECOLOGICAL INFORMATION

Hazard to Ozone Layer:	Not determined
Aquatic Hazard Classification:	Mixture
Acute Aquatic Hazard:	Not Classified
Chronic Aquatic Hazard:	Not Classified

SECTION XIII – DISPOSAL METHOD

Dispose of in accordance with local, state, and federal regulations.

SECTION VX – TRANSPORT INFORMATION

Not Regulated

SECTION XV – REGULATORY INFORMATION

OSHA Standard for General Industry (29 CFR Part 1910)
American Conference of Governmental Industrial Hygienist TLVS
International Agency for Research on Cancer (IARC)
U. S. Department of Transportation
International Maritime Dangerous Goods Code
RCRA 40 CFR Parts 239-282 Subtitle D

SECTION XVI – SDS PREPARATION DATE

April 2016