Free Flow -
Rockford, L.L.C.
A Free Flow Technologies, Ltd. Company

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: **Free Flow 200©**
Product CAS: None

Company Identification:

Free Flow Technologies, Inc.
9918 N. Alpine Road
Machesney Park, Illinois 61115

For information call: (815) 636-0166 or (866) 677-0166
Emergency Contact: Mike Slattery
Fax: (815) 636-0560

MSDS Effective: 1/5/2011
Supercedes: 10/26/2010
2/12/2008
2/10/2006
2/12/2004
9/4/1998
8/1/1998

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS	Approximate % (w/w)
Calcium Oxide	1305-78-8	30 - 45
Calcium Sulfate	99400-01-8	20 – 40
Silicon Dioxide	60676-86-0	13 - 15
Aluminum Oxide - Non- fibrous	1344-28-1	1 - 5
Iron Oxide	1309-37-1	1 - 3

SECTION 3 – HAZARDS IDENTIFICATION

Hazards Ratings	HMIS
Health	1
Fire	0
Reactivity	1
Special Protection	0

POTENTIAL HEALTH EFFECTS

Target Organs: Eyes, respiratory passages, skin, digestive tract.

Eye: May cause irritation/inflammation and tissue damage.

SECTION 3 – HAZARDS IDENTIFICATION (CONT.)

Skin: May cause irritation and alkaline burns to moist skin.

Ingestion: May cause ulceration to the digestive tract.

Inhalation: May cause irritation/inflammation to nasal and upper respiratory passages.

SECTION 4 – FIRST AID MEASURES

Eye: Flush eyes with water while lifting lids. Seek medical attention.

Skin: Wash skin with soap and water, remove contaminated clothing and shoes. If irritation develops, seek medical attention.

Ingestion: Dilute with water, fruit juice or vinegar. Seek medical attention.

Inhalation: Remove to fresh air, if irritation develops, seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Unusual Fire and Explosion Hazards: Noncombustible

Special Fire Fighting Procedures: None

Extinguishing Media:	N/A	Flammable Limits	
Autoignition Temperature:	N/A	Lower Limit:	N/A
Flash Point:	N/A	Upper Limit:	N/A

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Disposal: Dispose as a non-hazardous solid waste in accordance with all Local, State and Federal regulations.

Spills/Leaks: Use appropriate protective equipment while using dry cleanup methods (sweep/shovel) which minimize dusting. Reclaim in watertight containers. Small amounts may be flushed with water to drain.

SECTION 7 – HANDLING AND STORAGE

Handling: Use personal protective equipment when engineering controls are not sufficient to control dust to below OSHA PELs. Wash skin soon after short (incidental) exposures. After washing, use skin care products for irritation.

Storage: Store away from strong oxidizing materials, acids, organic materials, water and combustibles.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Use general and local exhaust to keep dust levels within acceptable limits.

Eyes: Wear tight fitting goggles.

Skin: Wear long sleeves, gloves, and pant cuffs over shoes to minimize skin contact.

Respirators: Use NIOSH approved dust respirator when exposure limits exceeded.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor:	Tan-gray powder. No odor.	Boiling Point:	N/A
pH:	11 – 12	Freezing/Melting Point:	N/A
Density:	90 – 95 lbs/ft^3	Loss on Ignition:	0.8 percent
Vapor Pressure:	N/A	Available Lime:	30.0 percent
Vapor Density:	N/A	Decomposition Temp.:	N/A
Evaporation Rate:	N/A	Specific Gravity:	2.6
Viscosity:	N/A	Molecular Formula:	Mixture

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable, keep dry.

Incompatibility: Contains calcium oxide and may react with water or acid to produce sufficient heat to ignite combustible materials.

Hazardous Decomposition Products: None

Hazardous Polymerization: No.

Conditions to Avoid: Practices which produce dust.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological Information:

Component	Formula	% Wt.	CAS	PEL	TLV
Silicon Dioxide	SiO_2	13 – 15	60676-86-0	0.1 mg/m^3*	0.1 mg/m^3*
Calcium Oxide	CaO	30 – 45	1305-78-8	5 mg/m^3	2 mg/m^3
Aluminum Oxide	Al_2O_3	1 - 5	1344-28-1	10 mg/m^3+	10 mg/m^3+
Calcium Sulfate	CaO_4S	20 – 40	99400-01-8	15 mg/m^3	10 mg/m^3
Iron Oxide	Fe_2O_3	1 - 3	1309-37-1	15 mg/m^3	5 mg/m^3

* Respirable Dust
+ 5 mg/M^3 as Respirable Fraction

Silicon Dioxide and Iron Oxide are listed by IARC as potential carcinogens.

SECTION 12 – ECOLOGICAL INFORMATION

Ecological Information: None available

SECTION 13 – OTHER PRECAUTIONS

Other Precautions: None

SECTION 14 – TRANSPORT INFORMATION

DOT Label No: N/A

SECTION 15 – REGULATORY INFORMATION

SARA Title III – This material is not subject to the toxic chemical reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SECTION 16 – ADDITIONAL INFORMATION

Information herein is based on data believed to be accurate at the time of the preparation. No warranty or representation, express or implied, is made to the accuracy or completeness of the MSDS. No responsibility can be assumed by vendor for any damage or injury resulting from misuse, failure to follow recommended practices, or from any hazards inherent in the nature of the product.