

M² Polymer Technologies, Inc.
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West Dundee, IL 60118
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MATERIAL SAFETY DATA SHEET: May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

PRODUCT NAME:

PHOSCLEAR[®]

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SECTION I

SUPPLIER'S INFORMATION

M² Polymer Technologies, Inc.
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West Dundee, IL 60118

Telephone Number for Information: 847/836-1393
Last Update : December 1, 2005

SECTION II

Composition of Components

Components (Specific Chemical Identity: Common Name(s))	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	% (optional)
1. Alum, Aluminum Sulfate CAS Number: 10043-01-3	NE	NE	60-85%
2. Sodium Carbonate (Soda Ash) CAS Number: 497-19-8	NE	NE	15-40%

SARA Section 313 Reportable Toxic Chemicals: NONE

NFPA/HMIS: Health - 1, Fire - 0, Reactivity - 0, Specific Hazard - None

Dot Class: Not Regulated

SECTION III

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	- Granular Solid	Specific gravity (H ₂ O = 1)	n.a.
Vapor Pressure (mm Hg.)	- n.a.	Melting Point	Greater than 500° F
Vapor Density (AIR = 1)	- Nil	Bulk Density (lbs/gallon)	8.4 to 9.2 lbs/gallon
Water Solubility	- 100%		
Appearance and Odor	- Tan to off-white granular solid		

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	- NONE		
Flammable Limits	- Not Available	LEL: Not determined	UEL: Not determined
Extinguishing Media	- All standard fire fighting media		
Unusual Fire and Explosion Hazards	- NONE		

SECTION V

REACTIVITY DATA

Stability Stable, avoid extreme heat. Keep pH of slurries between 4 and 11 to prevent hazardous decomposition products

Incompatibility (Materials to Avoid) - Hydrofluoric Acid (HF)
 Hazardous Decomposition Products - May form sulfur oxides, aluminum oxides and sulfuric acid at high temperatures water.
 Hazardous Polymerization - Will Not Occur - X Conditions to Avoid - Concentrated Acids & Bases

SECTION VI

HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes
Health Hazards (Acute and Chronic)	-		Inhalation.		Contact with eyes, skin or clothing may cause irritation.	
Inhalation:			Inhalation of dust may cause sneezing and upper respiratory irritation.			
			Avoid breathing dust.			
Skin contact:			May cause mechanical skin irritation.			
Eye contact:			May cause eye irritation.			
Ingestion:			None known.			
Signs and Symptoms of Exposure			-Reddening, drying of affected area with possible itching, burning or other discomfort.			
			Irritation of the upper respiratory tract.			
Medical Conditions Generally Aggravated by Exposure			Individuals with respiratory disease, including but not limited to asthma and bronchitis, or subject to eye irritation, should not be exposed to dust.			
Emergency and First Aid Procedures -			Flush eyes with large quantity of water.			
			Wash skin with soap and water.			
			If inhaled, move to fresh air.			
			Consult physician regarding any continued discomfort.			

SECTION VII

PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is Released or Spilled: Collect material. Avoid generating airborne dust.

Waste Disposal Method: Dispose of in accordance with Local, Federal, and State regulations. Non-hazardous waste material suitable for approved solid waste landfill.

Precautions to be taken in Handling and Storing: Handle as a dust and as an eye irritant. Store in a cool, dry place. Store in original and tightly closed container. PHOSCLEAR® is hygroscopic and will absorb moisture from the air causing the material to clump. Do not ingest. Avoid breathing powder. Avoid skin and eye contact.

Other Precautions: Dusty conditions may irritate eyes and respiratory system.

SECTION VIII

CONTROL MEASURES

Respiratory Protection (Specify Type) - Where dusty conditions are created, use a suitable, nuisance-type mask.

Ventilation - Local Exhaust Ensure removal of airborne particles.
 - Mechanical (General) Not required. Other - Not required.

Protective Gloves - Recommended. Eye Protection - Safety goggles

Other Protective Clothing or Equipment - None

Work/Hygienic Practices - Wash thoroughly after handling.