



# MATERIAL SAFETY DATA SHEET

(Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)  
Form approved OMB No. 1218-0072  
OSHA 174 - September 1985

## HMIS RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

## IDENTITY:

TYPE 4A & TYPE 13X

DESICCANT

## NFPA RATING

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

Marketer's Name Must Appear Below

DOT Shipping

Manufacturer's Name

Plastic Process Equipment, Inc.

Emergency Telephone Number

1-800-535-5053

Address

8303 Corporate Park Drive

Telephone Number for Information

1-216-367-7000

Macedonia, Ohio 44056

Date Prepared

10/04/07

## Section 2- Hazardous Ingredients/Identity Information

Hazardous Components

(Specific Chemical Identity, Common Name(s))

Chemicals listed below are in PPM unless stated otherwise

	OSHA		ACGIH TLV		% Composition
	TWA	STEL	TWA	STEL	
	Zeolite (1344-00-9)	10 MG/M <sup>3</sup>	N/A	10 MG/M <sup>3</sup>	
Mg Alumiinosilicate (1327-43-1)	10 MG/M <sup>3</sup>	N/A	10 MG/M <sup>3</sup>	N/A	15 - 23
Quartz (14808-60-7)	.10 MG/M <sup>3</sup>	N/A	.10 MG/M <sup>3</sup>	N/A	< .5

\*All chemical compounds marked with an asterisk (\*) are toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet.

## Section 3- Physical/Chemical Characteristics

Boiling Point (Range)	N/A	Bulk Density	0.68
Vapor Pressure @ 70°F	N/A	Melting Point	>1600 C
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	NOT SOLUBLE	Appearance and Odor	Light tan bead, cake or powder

## Section 4- Fire and Explosion Hazard Data

Flash Point (Method Used)	Nonflammable	Flammable Limits	LEL	N/A	UEL	N/A
Extinguishing Media	Dry chemical, water spray, or foam					
Special Fire Fighting Procedures	Cool containers that are exposed to flames with water from the side until well after fire is out. For massive fire in enclosed area, use unmanned hose holder or monitor nozzles. If this is impossible, withdraw and let burn.					
Unusual Fire and Explosion Hazards	Negligible fire and explosion hazard when exposed to heat or flame by reaction with incompatible substances.					

## Section 5- Reactivity Data

Stability	Unstable		Conditions to Avoid None
	Stable	X	
Incompatibility (Materials to Avoid)			Avoid sudden contact with high concentrations of chemical having high heats of absorption such as HCL, olefins, etc.
Hazardous Decomposition or Byproducts			N/A
Hazardous Polymerization	May Occur		Conditions to Avoid None
	Will not Occur	X	

## Section 6- Health Hazard Data

Route(s) of Entry	Inhalation? Yes	Skin? Yes	Ingestion? Yes
<b>Health Hazards (Acute &amp; Chronic)</b> Ingestion may result in damage to throat, esophagus, and/or gastro-intestinal tract. Inhalation may cause burning of the upper respiratory tract and/or temporary or permanent lung damage. Prolonged or repeated contact may cause dryness, irritation, and/or dermatitis. Contact with eye tissue may result in irritation, burns, or conjunctivitis. This product contains a small amount of crystalline silica which may cause delayed respiratory disease if inhaled over a long period of time.			
Carcinogenicity	NTP? No	IARC Monographs? Yes	OSHA Regulated? Yes
IARC monographs on the evaluation of the carcinogenic risk of chemicals to humans concludes that there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC classification 2A.			
Signs and Symptoms of Exposure N/A			
Medical Conditions Generally Aggravated by Exposure N/A			
<b>Emergency and First Aid Procedures</b> Remove to fresh air immediately if inhaled. If breathing has stopped, give artificial respiration. If large amounts have been ingested, give emetics to cause vomiting. Stomach siphon may be applied as well. Milk and fatty acids should be avoided. Wash affected eyes for 15-20 minutes with water. Wash skin with soap and water. Get medical help, this product is a desiccant and will generate heat as it absorbs water.			
<b>Section 7- Precautions for safe handling and use</b>			
Steps to be Taken in Case Material is Released or Spilled			Cleanup personnel need protection against dust or fumes. Vacuuming or wet methods of cleanup are preferred. Place in appropriate containers.
Waste Disposal Method Consult local, state and federal regulations.			
Precaution to be Taken in Handling and Storing Store in cool dry place.			
Other Precautions None			
<b>Section 8- Control measures</b>			
Respiratory Protection (Specific Type)			Provide a NIOSH/MSHA jointly approved respirator in the absence of proper environmental control or where TLV for crystalline silica is exceeded.
Ventilation	Local Exhaust Yes	Special None	
	Mechanical (General) Yes	Other None	
Protective Gloves Yes	Eye Protection Chemical splash goggles.		
Other Protective Clothing or Equipment Long sleeves and pants			
Work/Hygienic Practices Wash hands after use.			