HYDROSIL
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Hydrosil HS-100-PO

Identity (Trade Name As Used On Label)

MSDS Number*

CAS Number*

January 1, 2012 - December 31, 2012

Date Prepared

William J. Waldschmidt

Prepared By*

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%*	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Zeolite	80-85%	N/A	N/A	None
phosphoric acid/water	15-20%	1mg/m3	N/A	None
CAS No. # 7664-38-2				
Non-Hazardous Ingredients				
TOTAL	**100**			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specfic Gravity (H_2O = 1)	Density 59 - 61 #/ft3
Vapor Pressure (mm Hg and Temperature)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate (_____ = 1)	N/A
Solubility in Water	N/A	Water Reactive	N/A

Appearance and Odor: Black Particulate Solid

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	Auto-Ignition Temperature	Flammability Limits in Air % by Volume	LEL	UEL
N/A	N/A	N/A	N/A	N/A

Extinguisher Media: If involved in fire, flood with plenty of water

Special Fire Fighting Procedures: Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, etc. may result in fire.

Unusual Fire and Explosion Hazards: Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, etc. may result in fire.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY
■ Stable
☐ Unstable

Conditions To Avoid: Strong oxidizers such as ozone, liquid oxygen, chlorine, etc.

Incompatability (Materials to Avoid): Strong oxidizers such as ozone, liquid oxygen, chlorine, etc.

Hazardous Decomposition Products: Carbon monoxide may be generated in the event of fire

HAZARDOUS POLYMERIZATION
☐ May Occur
☐ Will Not Occur

Conditions To Avoid: Exposure to strong oxidizers

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY
☐ Inhalation ☐ Ingestion
☐ Skin Absorption ■ Not Hazardous

CARCINOGEN LISTED IN
☐ NTP ☐ OSHA
☐ IARC Monograph ■ Not Listed

HEALTH HAZARDS
Acute: None
Chronic: None

Signs and Symptoms of Exposure: None

Medical Conditions Generally Aggravated by Exposure: None

EMERGENCY FIRST AID PROCEDURES - Seek medical assistance for further treatment, observation and support if necessary

Eye Contact: Immediately flush with large amounts of water for 15 minutes

Skin Contact: None

Inhalation: None

Ingestion: None

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type): Treat as low level nuisance dust, Use NIOSH/MSA #TC-21C-132

Protective Gloves: None

Eye Protection: Safety Glasses

VENTILATION TO BE USED
☐ Local Exhaust ■ Mechanical (general) ☐ Special
☐ Other (specify) None

Other Protective Clothing and Equipment: Regular work clothing

Hygienic Work Practices: Wash hands before eating

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/ LEAK PROCEDURES

Steps to be Taken If Material is Spilled Or Released: Sweep up granules and dispose of in accordance with local, state, and federal regulations.

Waste Disposal Methods: Dispose of in accordance with local, state and federal regulations

Precautions to be Taken in Handling and Storage: Protect containers against physical damage, store in a cool dry area in closed containers

Other Precautions and/or Special Hazards: Wet activated carbon removes oxygen from the air causing a severe hazard to workers inside carbon vessels or confined spaces.

NFPA Rating* Health _____ Flammability _____ Reactivity _____ Special _____

HMIS Rating* Health _____ Flammability _____ Reactivity _____ Special _____

* Optional