



HYDROSIL

INTERNATIONAL LTD.

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Hydrosil XB-17

Identity (Trade Name As Used On Label)



MSDS Number*

CAS Number*

January 1, 2012 to December 31, 2012

Date Prepared

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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
potassium permanganate (KMnO ₄) CAS No. # 7722-64-7	4-6%	5mg/m ³	5mg/m ³	None
carbon activated CAS No. # 7440-44-0	50%	None	None	None
Non-Hazardous Ingredients				
molecular sieve/moisture	50%			
TOTAL	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point N/A	Density 44-46 #/ft ³
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 KMnO ₄ - yes, molecular sieve - no	Water Reactive N/A
Appearance and Odor	Purple and black granules, odorless

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used N/A	Auto-Ignition Temperature N/A	Flammability Limits in Air % by Volume N/A	LEL N/A	UEL N/A
Extinguisher Media	If involved in fire, flood with plenty of water			
Special Fire Fighting Procedures	None			

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 <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid Strong oxidizers such as ozone, liquid oxygen, chlorine, etc.
Incompatibility (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 <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid Exposure to strong oxidizers

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	<input type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Not Hazardous	CARCINOGEN LISTED IN	<input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph	<input type="checkbox"/> OSHA <input checked="" type="checkbox"/> Not Listed
HEALTH HAZARDS	Acute	May be irritating to body tissue upon contact			
	Chronic	None			
Signs and Symptoms of Exposure	May stain body tissue				
Medical Conditions Generally Aggravated by Exposure	Open wounds, burns, and mucous membranes				
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	Immediately flush with soap and water				
Inhalation	Leave contaminated area				
Ingestion	Drink several glasses of water or milk. Seek medical attention.				

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	Treat as low level nuisance dust, Use NIOSH/MSA #TC-21C-132				
Protective Gloves	Rubber or plastic gloves		Eye Protection	Safety glasses	
VENTILATION TO BE USED	<input type="checkbox"/> Local Exhaust	<input checked="" type="checkbox"/> Mechanical (general)	<input type="checkbox"/> Special		
	<input type="checkbox"/> Other (specify)				
Other Protective Clothing and Equipment	Regular work clothing				
Hygienic Work Practices	Wash your hands before eating. Wash contaminated clothing.				

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 air causing a severe hazard to workers inside their carbon vessels or confined spaces				
NFPA Rating* Health _____ Flammability _____ Reactivity _____ Special _____	HMIS Rating* Health _____ Flammability _____ Reactivity _____ Special _____				

* Optional