



HYDROSIL

INTERNATIONAL LTD.

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Hydrosil HS-600

Identity (Trade Name As Used On Label)



MSDS Number*

CAS Number*

January 1, 2012 to 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
hydrated potassium permanganate forming ionic potassium hydroxide (CAS # 1310-58-3) and ionic manganese tetraoxide (CAS # 1317-35-7)	6-8%	5 mg/m ³	5 mg/m ³	None
Non-Hazardous Ingredients molecular sieve/moisture	92-94%			
TOTAL	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point N/A	Specific Gravity (H ₂ O = 1) Density 59-61 #/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 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
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Extinguisher Media None

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid Protect in containers against puncture and physical damage, keep in a dry area, avoid exposure to water
Incompatibility (Materials to Avoid)	None
Hazardous Decomposition Products	None
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid None

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 Reduce potassium permanganate with hypo (10% sodium thiosulfate) solution and deposit in permitted landfill.

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 Avoid exposure to water and contaminated air, otherwise the media is rendered useless

NFPA Rating* Health _____ Flammability _____ Reactivity _____ Special _____	HMS Rating* Health _____ Flammability _____ Reactivity _____ Special _____
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* Optional