



HYDROSIL

INTERNATIONAL LTD.

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Hydrosil HS-250

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
N-Hexadecyl-N,N,N-trimethylammonium chloride	3.90%	N/A	N/A	None
CAS No. # 112-02-07				
carbon activated, CAS # 7440-44-0	5.80%	N/A	N/A	None
Non-Hazardous Ingredients zeolite/water	90.30%			
TOTAL	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point N/A	Density 54.0-56.0 pounds/cubic foot
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 No	Water Reactive None

Appearance and Odor white/black irregularly shaped solid, no odor

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 If involved in fire, flood with plenty of water

Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards Products of combustion are toxic

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 ect.
Incompatibility (Materials to Avoid)	Strong oxidizing and reducing agents such as ozone, liquid oxygen, chlorine ect.
Hazardous Decomposition Products	Carbon monoxide may be generated in the event of fire. Organic chlorides, amines, hydrogen chloride may be produced
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 None known	Chronic None known	Signs and Symptoms of Exposure None known		
Medical Conditions Generally Aggravated by Exposure None known					

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

Eye Contact	Immediately flush eye with large quantities of water for 15 minutes Get immediate medical attention.
Skin Contact	Wash affected area with soap and water, seek medical attention if irritation develops.
Inhalation	Leave contaminated area. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion	Drink 3-4 glasses of milk or water, but do not induce vomiting. If vomiting does occur, give fluids again. 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 neoprene when needed	Eye Protection	Safety glasses with side shields
VENTILATION TO BE USED	<input checked="" type="checkbox"/> Local Exhaust <input type="checkbox"/> Other (specify)	<input checked="" type="checkbox"/> Mechanical (general)	<input type="checkbox"/> Special
Other Protective Clothing and Equipment	Eye wash, safety shower, protective clothing as appropriate.		
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	Sweep materials to trash or repackage. Dispose of unused material in landfill in accordance with local, state, and federal regulations.
Precautions to be Taken in Handling and Storage	Protect containers against physical damage. Store in cool dry area in a closed container.
Other Precautions and/or Special Hazards	Wet activated carbon/coal removes oxygen from 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 _____
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* Optional