



HYDROSIL

INTERNATIONAL LTD.

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Hydrosil HS-AC-P-PO

Identity (Trade Name As Used On Label)



MSDS Number*

CAS Number*

January 1, 2012 - 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 |
|--|------------|-------------|--------------|-----------------------------|
| Carbon activated | 90-93% | N/A | N/A | None |
| CAS No. # 7440-44-0 | | | | |
| phosphoric acid/water | 7-10% | 1mg/m3 | N/A | None |
| CAS No. # 7664-38-2 | | | | |
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| | | | | |
| | | | | |
| | | | | |
| Non-Hazardous Ingredients | | | | |
| TOTAL | 100 | | | |

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

| | | | |
|--|---|---------|---------------------------|
| Boiling Point N/A | Specific Gravity (H ₂ O = 1) | Density | 36 - 38 #/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 N/A | Water Reactive N/A | | |

Appearance and Odor Black Particulate Solid

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 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 <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 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 | 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 | <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Other (specify) None | <input checked="" type="checkbox"/> Mechanical (general) | <input type="checkbox"/> Special |
| 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