

Prepared according to 29 CFR 1910.1200

Date prepared: **MARCH 2006**
Date revised: **JANUARY 2008**Page 1 of 2
MSDS No.111630**Section I****IDENTITY:** *As Used on Label and List:* **BLACK PIGMENT (POWDER)**
Chemical Characterization: **Inorganic Metal Oxide**AQUAFIN, INC.
505 BLUE BALL RD, #160
ELKTON, MD 21921Emergency Phone No. **(800) 394-1410**
Information Phone No. **(410) 392-2300****Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Percent
SILICON DIOXIDE (AMORPHOUS) (CAS 7631-86-9)	6 mg/M³	10 mg/M³	~1%

Section III - Physical/Chemical Characteristics

Boiling Point:	N.A.	Specific Gravity (H ₂ O = 1): (BULK DENSITY)	0.6 – 0.8 kg/dm³
Vapor Pressure (mm Hg.):	N.A.	Melting Point:	N.A.
Vapor Density (AIR = 1):	N.A.	Evaporation Rate (Butyl Acetate = 1):	N.A.
Solubility in Water:	ESSENTIALLY INSOLUBLE	pH-value:	4 – 8 @ 50 g/L WATER IN AQUEOUS SUSPENSION
Appearance and Odor:	BLACK POWDER – ODORLESS		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method used):	N/A	Flammable Limits:	N/A	LEL:	N/A	UEL:	N/A
Extinguishing Media:	USE EXTINGUISHING MEDIA SUITABLE FOR OTHER COMBUSTIBLE MATERIALS IN THE AREA.						
Special Fire Fighting Procedures:	NONE						
Unusual Fire and Explosion Hazards:	MATERIAL IS NOT COMBUSTIBLE.						

Section V - Reactivity Data

Stability: Unstable:	Stable: X
Conditions to Avoid:	EXCESSIVE TEMPERATURES. AT TEMPERATURES GREATER THAN 176°F (80°C), PRODUCT MAY BECOME UNSTABLE AND AUTO-OXIDIZE INTO Fe₂O₃.
Incompatibility (<i>Materials to Avoid</i>):	NONE KNOWN
Hazardous Decomposition or Byproducts:	NONE KNOWN
Hazardous Polymerization:	WILL NOT OCCUR
Decomposition Temperature:	> 176°F (80°C).

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?: YES	Skin?: YES	Ingestion?: N/A
Health Hazards (<i>Acute and Chronic</i>):	HIGH DUST CONCENTRATION CAN BE IRRITATING TO RESPIRATORY SYSTEM; IRRITATING TO SKIN; IRRITATING TO EYES.		

Carcinogenicity: - NTP?: **Yes** IARC Monographs?: **Yes** OSHA Regulated?: **Yes**Signs and Symptoms of Exposure: **IRRITATION, REDNESS, RASH, COUGHING**Medical Conditions - Generally Aggravated by Exposure: **NONE KNOWN**

Emergency and First Aid Procedures:

INHALATION: **REMOVE FROM DUSTY AREA TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.**SKIN: **WASH WITH SOAP AND WATER.**EYES: **FLUSH EYES WITH PLENTY OF WATER LIFTING LIDS PERIODICALLY FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.**INGESTION: **IMMEDIATELY CONTACT A PHYSICIAN.**

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled: **VACUUM OR SCOOP MATERIAL INTO AN APPROPRIATELY MARKED CONTAINER FOR RECLAMATION OR DISPOSAL. AVOID EXCESSIVE GENERATION OF DUST. IF DUST GENERATED, USE APPROPRIATE RESPIRATORY PROTECTION. EMERGENCY PROCEDURES ARE NOT REQUIRED.**Waste Disposal Method: **DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.**Ecological Information: **THE UNUSED PRODUCT IS SLIGHT WATER POLLUTANT. LARGE QUANTITIES MAY BE TOXIC TO FISH. DO NOT EMPTY INTO WATERS OR DRAINS.**Precautions to Be Taken in Handling and Storing: **AVOID BREATHING DUST AND CONTACT WITH EYES. STORE IN A DRY ENCLOSED AREA OFF THE GROUND. DO NOT STORE NEAR STRONG OXIDIZERS, SOURCES OF HEAT, OR NEAR FLAMMABLE OR COMBUSTIBLE MATERIALS.**Other Precautions: **NONE**

Section VIII - Control Measures

Respiratory Protection (*Specify Type*): **IN DUSTY ENVIRONMENTS USE OF 'NIOSH/MSHA' APPROVED RESPIRATOR IS RECOMMENDED.**Ventilation: Local Exhaust: **AS REQUIRED TO CONTROL AIRBORNE DUST LEVELS.** Special: **NONE**
Mechanical (*General*): **RECOMMENDED** Other: **NONE**Protective Gloves: **NEOPRENE or RUBBER** Eye Protection: **GOGGLES**Other Protective Clothing or Equipment: **STANDARD WORK CLOTHING**Work/Hygienic Practices: **WASH HANDS BEFORE BREAKS AND AFTER WORK, AND BEFORE EATING, DRINKING OR SMOKING.**

Section IX - Shipping Information

Technical Shipping Name: **INORGANIC OXIDE**
Proper Shipping Name: **NONE**
DOT (Domestic Surface) Hazard Class or Division: **NOT REGULATED**
IMO (Ocean) Hazard Class or Division: **NOT REGULATED**
ICAO (Air) Hazard Class or Division: **NOT REGULATED**

Section X – Regulatory Information

OSHA STATUS: **THIS PRODUCT IS HAZARDOUS UNDER THE CRITERIA OF FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.**

TSCA STATUS: **ON TSCA INVENTORY.**

CERCLA REPORTABLE QUANTITY: **NONE**

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: **NONE**

SECTION 311/312 HAZARDOUS CATEGORIES: **NON-HAZARDOUS UNDER SECTION 311/312**

SECTION 313 TOXIC CHEMICAL: **NONE**

RCRA STATUS: **IF DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT WOULD NOT BE A HAZARDOUS WASTE EITHER BY LISTING OR BY CHARACTERISTIC. HOWEVER, UNDER RCRA, IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 261.20-24)**

THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES; OTHER PRODUCT SPECIFIC HEALTH AND SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLICABLE FOR STATE REQUIREMENTS. FOR DETAILS ON YOUR REGULATORY REQUIREMENTS YOU SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE.

COMPONENT NAME / CAS NUMBER	CONCENTRATION	STATE CODE
IRON OXIDE (Fe3O4) 12227-89-3 1317-61-9	Approx. 99%	PA3, NJ4
SILICON DIOXIDE (AMORPHOUS) 7631-86-9	Approx. 1%	PA1, MA1, NJ1
ARSENIC 7440-38-2	50 ppm*	MA
NICKEL 7440-02-0	Max 300 ppm	MA

- MA = Massachusetts Hazardous Substance List
- NJ1 = New Jersey Hazardous Substance List
- NJ4 = New Jersey Other – included in 5 predominant ingredients > 1%
- PA1 = Pennsylvania Hazardous Substance List
- PA3 = Pennsylvania Non-Hazardous present at 3% or greater.

Section XI – Other Information

HMIS RATINGS: Health Flammability Reactivity
 0 0 1
 0 = Minimal 1= Slight 2=Moderate 3=Serious 4=Severe

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