



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
55-00X-XX

Product Name: GAC Alginate Regular

Release Date: March 14, 2007

1. Product and Company Identification

Trade Name & Synonyms GAC Alginate Regular	MSDS Code Number Refer to part number
Chemical Name NA	Manufacture / Distributor GAC International Inc.
C.A.S. Number NA	Address 355 Knickerbocker Ave. Bohemia, NY USA 11716
Grades or Minor Variant Identities NA	Information Telephone Number 1-631-419-1700
Product Use (for Canada) NA	Emergency Telephone Number 1-631-419-1700

2. Composition of Ingredients

Hazardous Components	OSHA PEL (MG/M3)	ACGIH TLV (MG/M3)	C.A.S. Number	Exposure Limits	%
Crystalline silica-cristobalite	0.05	0.05	NA	NA	NA
Crystalline silica- Quartz	0.05	0.05	NA	NA	NA
Amorphous silica- Diatomaceous earth	1.2	10	NA	NA	NA
Calcium sulfate	10	10	NA	NA	NA
Tetrasodium pyrophosphate	5	5	NA	NA	NA
Sodium alginate (as nuisance dust)	15	10	NA	NA	NA
Magnesium oxide (as nuisance dust)	15	10	NA	NA	NA
WARNING: This product contains silica, crystalline (airborne particles of respirable size) which is known by the state of California to cause cancer. Other information: Product contains synthetic yellow iron oxide as colorant.			NA	NA	NA



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
55-00X-XX

Product Name: GAC Alginate Regular

Release Date: March 14, 2007

3. Hazard Identification

Emergency Overview					
NA					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Temporary irritation or inflammation.	NA	NA	Acute: Eye irritation.	NA
Skin No	NA	NA	NA	NA	NA
Inhalation Yes	Irritation and soreness in throat and nose. In extreme exposures some congestion may occur.	NA	NA	Acute: Transitory upper respiratory irritation. Chronic: Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group 1). Inhalation of crystalline silica is also a known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 52% free crystalline silica (Cristobalite). As such it represents a risk to the respiratory system. Long term. Unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).	NA
Ingestion Yes	Not hazardous when ingested.	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema, and asthma. Target organs: Lungs, eyes.					
Carcinogenicity (IARC, NTP) NTP?: Proposed IARC Monographs?: Yes (group1) OSHA regulated?: Yes					
Potential Environmental Effects NA					

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	For eyes flush with copious amounts of water for 15 minutes.	If irritation persists consult a physician.	NA
Skin		NA	NA
Inhalation	Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust.	NA	NA
Ingestion	NA	NA	NA
Other	NA	NA	NA
Note to Physicians (Treatment, Testing, and Monitoring) NA			



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
55-00X-XX

Product Name: GAC Alginate Regular

Release Date: March 14, 2007

5. Fire and Explosion Data

Flashpoint & Method: °C / °F N/A	Flammable (Explosive) Limits in Air LEL: N/A UEL: N/A	Autoignition Temperature NA	Other NA
Flame Propagation or Burning NA	Properties Contributing to Fire Intensity NA	Flammability Classification Health- 2, Flammability-0, Reactivity-0 Specific hazard N/E. NFPA-National fire protection association.	
Extinguishing Media N/A		Extinguishing Media to Avoid NA	
Protection and Procedures for Firefighters N/A			
Unusual Fire and Explosion Hazards In common with most organic materials, this product should be treated as a combustible dust in the finely divided and suspended state.			

6. Accidental Release Measures

Containment Techniques NA
Spill/Leak Clean-Up Procedures and Equipment Vacuum clean dust with equipment fitted with a HEPA filter. Use dust suppression such as water if sweeping is necessary. Sweep up spilled material and place in closed containers for disposal.
Evacuation Procedures NA
Special Instructions NA
Reporting Requirements NA

7. Handling and Storage

Handling Practices and Warnings Minimize dust generation and accumulation. Avoid breathing dust, avoid contact with eyes. Return cap to canisters immediately. Close pouches immediately after use. Continue to follow all MSDS/ label warnings when handling empty containers. Observe normal warehouse handling procedures.
Storage Practices and Warnings (°C / °F). Store in a cool dry area. Store away from foodstuffs and beverages. Other precautions: The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personnel health and comfort.



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
55-00X-XX

Product Name: GAC Alginate Regular

Release Date: March 14, 2007

8. Exposure Control/Personal Protection

Ventilation Use sufficient natural or mechanical ventilation to keep dust level below PEL.		Other Engineering Controls NA
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	Goggles or safety glasses with side shields.	NA
Skin	Rubber gloves.	NA
Inhalation	Recommended NIOSH approved nuisance dust mask. <10 X PEL, use 3M 9900 ;< 100 X PEL, use MSA ultra-twin with H filter; <200 X PEL, use MSA 01-00-06 with type C supplied air unit (continuous flow mode); or equivalent.	NA
General Hygiene Considerations and Work Practices Avoid dusting when in use, Observe normal care when working with chemicals.		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA		
Other Protective Measures and Equipment Rubber apron.		

9. Physical and Chemical Characteristics

Appearance Yellow colored, dry fluffy powder.		Odor Spearmint odor
Normal Physical State: <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid <input type="checkbox"/> powder (Other)		Boiling Point °C / °F N/A Melting Point °C / °F N/A Freezing Point °C / °F NA
Specific Gravity or Density (H₂O=1) 0.3 g / cm ³	Solubility in Water Partially soluble.	pH NA
Vapor Pressure (mm Hg @ 20°C) N/A	Vapor Density (AIR= 1) N/A	Evaporation Rate (Butyl Acetate = 1) N/A
Other NA		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid) Hydrofluoric acid	
Hazardous Products Produced During Decomposition N/A	
Hazardous Polymerization? <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid High humidity and water contamination will cause material to gel. Prolonged exposure to heat greater than 60 °C / (140)°F
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid High humidity and prolonged heat greater than 60°C / °F

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data NA
--



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
55-00X-XX

Product Name: GAC Alginate Regular

Release Date: March 14, 2007

12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements

NA

13. Disposal Considerations

Regulations

Dispose of in accordance with federal, state and local regulations.

Properties (Physical/Chemical) Affecting Disposal

NA

14. Transport Information

Regulated for shipping?

Yes No NA

Proper Shipping Name

GAC Alginate

Packing Group

NA

Do changes in quantity, packaging, or shipment method change product classification?

Yes No NA

Hazard Class

NA

Identification Number

NA

Other

NA

15. Regulatory Information

Federal Regulations

NA

International Regulations

NA

Other

NA

16. Other Information

Supplier Number: 2/ 55

Supplier Release: October 18, 1999

N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.