



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
25-001-05, 25-020-05

Product Name: IMPRESSIX ALGINATE

Release Date: February 7, 2006

1. Product and Company Identification

Trade Name & Synonyms Impressix Alginate	MSDS Code Number Refer to part number
Chemical Name NA	Manufacture / Distributor GAC International Inc.
C.A.S. Number 16919-27-0	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) Dental impression material	Emergency Telephone Number 1-631-419-1700

2. Composition of Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Inert fillers		NA	50-70
Magnesium oxide	1309-48-4	NA	1-5
Potassium hexafluorotitanate	16919-27-0	NA	1-3

3. Hazard Identification

Emergency Overview					
The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.					
Classification: None. Additional hazards: This product is not classified according to EU legislation.					
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	NA	NA	NA	NA	NA
Skin	No significant irritation expected other than possible mechanical irritation.	NA	NA	NA	NA
Inhalation	NA	NA	NA	NA	NA
Ingestion	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure NA					
Carcinogenicity (IARC, NTP) NA					
Potential Environmental Effects NA					

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used.	Get medical attention.	NA
Skin	Rinse with plenty of running water.	NA	NA
Inhalation	No special measures required.	NA	NA
Ingestion	Non-hazardous in case of ingestion.	NA	NA
Other	First aid facilities: Eyewash bottle with pure water.	NA	NA
Note to Physicians (Treatment, Testing, and Monitoring) NA			



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
25-001-05, 25-020-05

Product Name: IMPRESSIX ALGINATE

Release Date: February 7, 2006

5. Fire and Explosion Data

Flashpoint & Method: °C / °F N/A	Flammable (Explosive) Limits in Air LEL: NA UEL: NA	Autoignition Temperature NA	Other NA
Flame Propagation or Burning NA	Properties Contributing to Fire Intensity NA	Flammability Classification Health-, Flammability-, Reactivity-NA	
Extinguishing Media Use extinguishing media suitable for surrounding materials.		Extinguishing Media to Avoid None	
Protection and Procedures for Firefighters No special protection is required.			
Unusual Fire and Explosion Hazards None			

6. Accidental Release Measures

Containment Techniques Personal precautions: Dust protection mask, gloves.
Spill/Leak Clean-Up Procedures and Equipment Environmental precautions and clean-up methods: Use a shovel to transfer the material to a convenient waste disposal container.
Evacuation Procedures NA
Special Instructions NA
Reporting Requirements NA

7. Handling and Storage

Handling Practices and Warnings No special measures required.
Storage Practices and Warnings (°C / °F). No special measures required. Packaging materials suitable: Use original container.

8. Exposure Control/Personal Protection

Ventilation NA	Other Engineering Controls No special measures required.	
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	Safety glasses.	NA
Skin	Lab coat and latex gloves.	NA
Inhalation	No special protection is required.	NA
General Hygiene Considerations and Work Practices Not applicable.		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA. Recommended monitoring procedures: This product is not classified according to EU legislation.		
Other Protective Measures and Equipment		
Ingredient name	Occupational exposure limits.	
Magnesium oxide	EU OEL (Europe). TWA: 1 mg/m ³ 8 hour/hours. Form: Respirable dust.	
Potassium hexafluorotitanate	EU OEL (Europe). TWA: 1 mg/m ³ 8 hour/hours. Form: Respirable dust	
Inert fillers	Nationale MAC-lijst (Netherlands, 9/2000). TGG: 1 mg/m ³ 8 hour/hours. Form: Respirable dust.	



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
25-001-05, 25-020-05

Product Name: IMPRESSIX ALGINATE

Release Date: February 7, 2006

9. Physical and Chemical Characteristics

Appearance Solid. (Powder). Color: Rose		Odor Fruity.
Normal Physical State: <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Solid <input type="checkbox"/> _____ (Other)		Boiling Point °C / °F <u>NA</u> Melting Point °C / °F <u>NA</u> Freezing Point °C / °F <u>NA</u>
Specific Gravity or Density (H₂O=1) Weighted average: 2.2 g/cm ³	Solubility in Water Very slightly soluble in cold water.	pH NA
Vapor Pressure (mm Hg @ 20°C) NA	Vapor Density (AIR= 1) NA	Evaporation Rate (Butyl Acetate = 1) NA
Other NA		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid) NA	
Hazardous Products Produced During Decomposition NA	
Hazardous Polymerization? <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid °C / °F NA
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid °C / °F NA

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data Acute toxicity.				
Ingredient name	Test	Result	Route	Species
Potassium hexafluorotitanate	LD50	354 mg/kg	Oral	Rat
Local effects:				
Skin irritation: Slightly irritating to the skin.				
Eye irritation: Mildly irritating to the eyes				
Sensitization: Non-sensitizer				

12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements			
Ecotoxicity Data: Ingredient name	Species	Period	Result
Potassium hexafluorotitanate	Trout (LC50)	240hour/hours	64mg/l
Mobility: Product is not hazardous to water.			

13. Disposal Considerations

Regulations Waste must be disposed of according to applicable regulations,
Properties (Physical/Chemical) Affecting Disposal Contaminated packaging waste classification: N/A. European waste catalogue: 18 01 06 chemicals consisting of, or containing dangerous substances.



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
25-001-05, 25-020-05



Product Name: IMPRESSIX ALGINATE

Release Date: February 7, 2006

14. Transport Information

Regulated for shipping? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Proper Shipping Name Impressix Alginate	Packing Group NA
Do changes in quantity, packaging, or shipment method change product classification? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hazard Class None	Identification Number NA
Other ADR / RID Class / ADNR Class / IMDG Class / IATA-DGR Class: Not Regulated.		

15. Regulatory Information

Federal Regulations NA
International Regulations EU Regulations: Risk phrases: This product is not classified according to EU legislation. Product use: Dental impression material. Additional warning phrases: None. EU Statistical classification: 32089091
Other EC Number for Potassium hexafluorotitanate is 240-969-9. Classification: Xn; R22. R20/22- Harmful by inhalation and if swallowed. R37: Irritating to respiratory system. R41: Risk of serious damage to eyes. Xn- Harmful Xi- Irritant

16. Other Information

Supplier Number: 40/ 25 Supplier Release: February 5, 2005 / Version 2.1. N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.
