



# MATERIAL SAFETY DATA SHEET

Part Number(s):  
17-222-01

Form WI04-11A Rev. 1



Product Name: Orthosil Wax Packs

Release Date: March 31, 2006

## 1. Product and Company Identification

<b>Trade Name &amp; Synonyms</b> Orthosil Silicone box	<b>MSDS Code Number</b> 17-222-01
<b>Chemical Name</b> N/A	<b>Manufacture / Distributor</b> GAC International Inc.
<b>C.A.S. Number</b> NA	<b>Address</b> 355 Knickerbocker Ave. Bohemia, NY USA 11716
<b>Grades or Minor Variant Identities</b> NA	<b>Information Telephone Number</b> 1-631-419-1700
<b>Product Use (for Canada)</b> NA	<b>Emergency Telephone Number</b> 1-631-419-1700

## 2. Composition of Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Thermoplastic resin	NA	NA	98.0 – 100.0

## 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)
<b>Eye</b>	Dust can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Molten material causes thermal burns.	NA	NA	NA	NA
<b>Skin</b>	Unlikely to cause skin irritation or injury. Molten material causes thermal burns. This material is unlikely to pass into the body through the skin.	NA	NA	NA	NA
<b>Inhalation</b>	This material is a dust or may produce dust. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.	Symptoms of exposure: Signs and symptoms of exposure to this material through breathing, swallowing, and /or passage of the material through the skin may include: irritation (nose, throat, airways).	NA	NA	NA
<b>Ingestion</b>	Swallowing this material is not likely to be harmful.	NA	NA	NA	NA
<b>Other</b>	Thermal processing of this product can produce fumes and / or vapors. Components of these releases may vary with processing times and temperatures and therefore specific composition cannot be predicted. These fumes and /or vapors may produce eye, skin and / or respiratory tract irritation.	With repeated and prolonged exposure at high concentrations, these fumes and /or vapors could cause central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache).	NA	NA	NA



# MATERIAL SAFETY DATA SHEET

Part Number(s):  
17-222-01

Form WI04-11A Rev. 1



Product Name: Orthosil Wax Packs

Release Date: March 31, 2006

<b>Medical Conditions Aggravated by Exposure</b> NA
<b>Carcinogenicity (IARC, NTP)</b> Cancer information: No data
<b>Potential Environmental Effects</b> NA

## 4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
<b>Eye</b>	If symptoms develop, move individual away from exposure into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there us any visual difficulty, seek medical attention. If eye contact with molten material occurs, hold eyelids apart and flush eyes gently with cool water.	Seek immediate medical attention.	NA
<b>Skin</b>	First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. If skin contact with molten materials occurs, flush exposed area with cool water. Do not forcibly remove material adhering to skin.	Seek immediate medical attention.	NA
<b>Inhalation</b>	First aid is not normally required. If symptoms develop, move individual away from exposure and into fresh air.	If symptoms persist, seek medical attention.	NA
<b>Ingestion</b>	Swallowing: First aid is not normally required	If symptoms develop, seek medical attention.	NA
<b>Other</b>	NA	NA	NA

### Note to Physicians (Treatment, Testing, and Monitoring)

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: lung (for example, asthma-like Conditions).

## 5. Fire and Explosion Data

Flashpoint & Method: °C / °F N/A	Flammable (Explosive) Limits in Air LEL: No data UEL: No data	Autoignition Temperature No data	Other
<b>Flame Propagation or Burning</b> NA	<b>Properties Contributing to Fire Intensity</b> NA	<b>Flammability Classification</b> Health-, Flammability-, Reactivity-NA	<b>Hazardous products of combustion:</b> May form carbon dioxide and carbon monoxide, toxic fumes.
<b>Extinguishing Media</b> Water fog, carbon dioxide, and dry chemical.		<b>Extinguishing Media to Avoid</b> NA	
<b>Protection and Procedures for Firefighters</b> Wear a self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS. NFPA RATING: Health-1, Flammability-1, Reactivity-0.			
<b>Unusual Fire and Explosion Hazards</b> No special fire hazards are known to be associated with this product.			



# MATERIAL SAFETY DATA SHEET

Part Number(s):  
17-222-01

Form WI04-11A Rev. 1



Product Name: Orthosil Wax Packs

Release Date: March 31, 2006

## 6. Accidental Release Measures

<b>Containment Techniques</b>
NA
<b>Spill/Leak Clean-Up Procedures and Equipment</b>
Small spill: Sweep up material for disposal and recovery. Plastic pellets may present a slipping hazard when spilled on walking surfaces. Large spill: Shovel material into containers; Thoroughly sweep area of spill to clean up any residual material. Plastic pellets may present a slipping hazard when spilled on walking surface.
<b>Evacuation Procedures</b>
NA
<b>Special Instructions</b>
NA
<b>Reporting Requirements</b>
NA

## 7. Handling and Storage

<b>Handling Practices and Warnings</b>
No adverse health effects are anticipated from the product at room temperature. However, at process temperatures, the product can emit fumes and vapors, which may cause irritation of the eyes and respiratory tract. Any exposure will depend on processing technique and temperature, volume processed and the effectiveness of exhaust ventilation provided from the process. Effects of chronic exposure to off-gases at processing temperatures have not been fully elevated. Generally, flame retardant additives and pigment additives are encapsulated in an impervious plastic matrix. These additives are not expected to present a hazard. Pellets may build upon static electricity when being transferred from one container to another. Mechanical handling equipment can cause formation of dusts. Maintain good housekeeping. Dust layers should not be permitted to accumulate in order to avoid any potential for dust explosion hazards.
<b>Storage Practices and Warnings</b>
<b>Shelf life:</b> 2 years.

## 8. Exposure Control/Personal Protection

<b>Ventilation</b>	NA	
<b>Other Engineering Controls</b>	Provide sufficient mechanical (general and / or local exhaust) ventilation to maintain exposure below level of overexposure ( from known, suspected or apparent adverse effects).	
<b>Routes of Entry:</b>	<b>Personal Protective Equipment (PPE) for Normal Use:</b>	<b>PPE for Emergencies:</b>
<b>Eye/Face</b>	Wear safety glasses in compliance with OSHA regulations.	NA
<b>Skin</b>	Wear normal clothing covering arms and legs.	NA
<b>Inhalation</b>	If overexposure has to be determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.	NA
<b>General Hygiene Considerations and Work Practices</b>		
NA		
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment</b>		
NA		
<b>Other Protective Measures and Equipment</b>		
Consult your safety products supplier for proper protective equipment to use for thermal processing operations.		



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
17-222-01

Product Name: Orthosil Wax Packs

Release Date: March 31, 2006

## 9. Physical and Chemical Characteristics

<b>Appearance</b> No data		<b>Odor</b> No data
<b>Normal Physical State:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Solid <input type="checkbox"/> _____ (Other)		<b>Boiling Point</b> °C / °F NA <b>Melting Point</b> °C / °F NA <b>Freezing Point</b> °C / °F NA
<b>Specific Gravity or Density (H<sub>2</sub>O=1)</b> No data	<b>Solubility in Water</b> NA	<b>pH</b> NA
<b>Vapor Pressure (mm Hg @ 20°C)</b> No data	<b>Vapor Density (AIR= 1)</b> No data	<b>Evaporation Rate (Butyl Acetate = 1)</b> No data
<b>Other</b> <b>Liquid density:</b> No data. <b>Percent volatile:</b> No data <b>PH:</b> No data		

## 10. Stability and Reactivity Data

<b>Incompatibility (Materials to Avoid)</b> None known.	
<b>Hazardous Products Produced During Decomposition</b> May form carbon dioxide and carbon monoxide, toxic fumes.	
<b>Hazardous Polymerization?</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	<b>Conditions to Avoid</b> °C / °F NA
<b>Stability?</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	<b>Conditions to Avoid</b> °C / °F NA

## 11. Toxicological Information

<b>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data</b> No data.
--

## 12. Ecological Information

<b>Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements</b> No data.
---

## 13. Disposal Considerations

<b>Regulations</b> Waste management information: Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs-including disposal, recycling and waste stream reduction, contact Ashland distribution company, 800-637-7922.
<b>Properties (Physical/Chemical) Affecting Disposal</b> NA



# MATERIAL SAFETY DATA SHEET

Part Number(s):  
17-222-01

Form WI04-11A Rev. 1



Product Name: Orthosil Wax Packs

Release Date: March 31, 2006

## 14. Transport Information

<b>Regulated for shipping?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Proper Shipping Name</b> Orthosil silicone wax packs	<b>Packing Group</b> NA	
<b>Do changes in quantity, packaging, or shipment method change product classification?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<b>Hazard Class</b> NA	<b>Identification Number</b> NA
<b>Other</b> <b>DOT INFORMATION:</b> 49 CFR 172.101. <b>DOT DESCRIPTION:</b> Non- regulated by the DOT. <b>CONTAINER/MODE:</b> 55 Gal drum/ truck package. <b>NOS COMPONENT:</b> None <b>RQ(REPORTABLE QUANTITY)</b> 49 CFR 172.101 <b>OTHER TRANSPORT INFORMATION:</b> The DOT transport information may vary with the container and mode of shipment.				

## 15. Regulatory Information

<b>Federal Regulations</b> <b>US FEDERAL REGULATIONS:</b> TSCA (Toxic substance control act) Status TSCA (United states) The intentional ingredients of this product are listed. <b>CERCLA:</b> 40 CFR 302.4 (a) None listed. <b>SARA 302</b> Components 40 CFR 355 Appendix A None <b>SECTION 311/312 Hazard class</b> 40 CFR 370.2 Immediate X <b>SARA 313 Components</b> 40 CFR 372.65 None <b>OSHA Process safety management</b> 29 CFR 1910 None listed. <b>EPA Accidental release prevention</b> 40 CFR 69 None listed.
<b>International Regulations</b> <b>Inventory status: DSL (Canada)</b> The international ingredients of this product are listed. State and local regulations: California proposition 65 None <b>NFPA RATING:</b> Health-1, Flammability-1, Reactivity-0. 0= Minimal 1= Slight 2= Moderate 3=serious 4=severe
<b>Other</b> NA

## 16. Other Information

<b>Supplier Number:</b> 31/17 <b>Supplier Release:</b> October 20, 2003 Rev: 02 N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.
---