



198 Ben Burton Circle  
Bogart, GA 30622  
706.389.0382

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Solaplast 1111  
**Synonyms:** Not Available  
**Chemical Family:** Homopolymer Polypropylene resin, algae biomass, plasticizer  
**Product Description:** Compounded thermoplastic resin pellets  
**Product use:** Molded, extruded, film, fibrous plastic articles  
**HMIS Rating:** Health: **0** Fire: **1** Reactivity: **0**

**Manufacturer:**

Name: ALGIX, LLC  
Address: 198 Ben Burton Circle  
Bogart, GA 30622

**Phone Numbers:**

Emergency: 911  
Information: 1.877.972.5449

**Emergency Information Transportation:**

CHEMTREC: (800) 424 9300  
(24 hrs., 7days a week)

**Medical:**

Rocky Mountain Poison Center: (866) 767-5089  
(24 hrs., 7 days a week)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS.

	CAS #	Wt/Wt	OSHA Hazardous
Polypropylene Ethylene Homopolymer	9003-07-0	45%	No
Algae Biomass	NA	45%	No
Additives	Proprietary	<10	No

### 3. HAZARD IDENTIFICATION

**Emergency Overview:**

May form combustible dust concentrations in air during processing.  
High dust levels may create combustion or explosion hazard.

CAUSES EYE AND RESPIRATORY TRACT IRRITATION.PROCESSING MAY RELEASE VAPORS AND/OR FUMES WHICH CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

### **Potential Health Effects:**

Routes of exposure: Dermal, respiratory

Contains high molecular weight polymer(s). Effects due to processing releases or residual monomer: Irritating to eyes, respiratory system and skin. Prolonged or repeated exposure may cause: headache, drowsiness, nausea, weakness, (severity of effects depends on extent of exposure).

## **2. FIRST AID MEASURES**

### **Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Skin:** In case of contact, immediately flush skin with plenty of water. If molten polymer gets on the skin, cool rapidly with cold water. Do not peel solidified product off the skin. Obtain medical treatment for thermal burns. Remove material from clothing. Wash clothing before reuse. Thoroughly clean shoes before reuse. Washing hands after handling powder or pellets is recommended.

### **Eyes:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

### **Ingestion:**

If swallowed, DO NOT induce vomiting

. Get medical attention. Never give anything by mouth to an unconscious person.

## **3. FIRE FIGHTING MEASURES**

**PRIMARY FIRE HAZARDS:** Will burn if ignited under high temperature. Thermal breakdown occurs above 200°C

**EXTINGUISHING MEDIA:** Water, ABC Dry Chemical, Foam

**HAZARDOUS PRODUCTS OF COMBUSTION:** During a fire thermal decomposition products may be a health hazard.

## **4. ACCIDENTAL RELEASE MEASURES**

### **In case of spill or leak:**

Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Sweep up and shovel into suitable properly labeled containers for prompt disposal. Possible fall hazard – floor may become slippery from leakage/spillage of product. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

## **5. HANDLING AND STORAGE**

### **Handling**

General information on handling:

Avoid contact with eyes.

Avoid breathing fumes or vapors.

Avoid breathing dust.

Wash thoroughly after handling.

## Material Safety Data Sheet

Keep container closed.  
Use only with adequate ventilation.  
Emptied container retains vapor and product residue.  
Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.  
Store away from excessive heat or open flames.  
Store in dark, dry and cool conditions

### Storage incompatibility – General:

Store separate from:  
Acids  
Strong oxidizing agents

## 6. EXPOSURE CONTROLS/PERSONAL PROTECTION

Safety glasses/goggles and respiratory mask to prevent dust inhalation.

## 7. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Natural color, black, green, brown, colored
Physical State:	Solid
Form:	pellets
Odor:	Depending on algae species and formulation, odor may be earthy, fishy, or pungent during heating/processing and become more mild at room temperature.
pH:	Not applicable
Density:	1.16 g/cm <sup>3</sup>
Vapor Pressure:	Not Applicable
Vapor Density:	Not applicable
Melting Point:	120°C
Thermal Decomposition:	approx. 225°C

## 8. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Hazardous reactions:	Hazardous polymerisation does not occur.
Materials to avoid:	Acids, Strong oxidizing agents
Conditions / hazards to avoid:	Avoid storing in moist and warm conditions. Avoid direct sunlight. See Hazardous Decomposition Products below.
Hazardous decomposition products:	Temperature exceeding 225-260 °C: Thermal decomposition giving toxic and corrosive products : Carbon oxides

## 9. TOXICOLOGICAL INFORMATION

### Chronic Toxicity:

No definitive information available on carcinogenicity, mutagenicity, target organ or developmental toxicity.

### Acute Toxicity:

Component	Oral LD50	Dermal LD50	Inhalation LC50
Polypropylene	> 5g/kg, estimated	> 2 g/kg, estimated	No information available

## 10. ECOLOGICAL INFORMATION

No adverse environmental or ecological effects are anticipated.

## 11. DISPOSAL CONSIDERATIONS

Where possible recycling is preferred to disposal or incineration. If recycling is not an option, incinerate or dispose of in accordance with federal, state, and local regulations. Pigmented, filled and/or solvent laden product may require special disposal practices in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

## 12. TRANSPORT INFORMATION

U.S. Department of Transportation (USDOT): Not regulated

International Maritime Dangerous Goods Code (IMDG): Not regulated

## 13. REGULATORY INFORMATION

### CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):

This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.

### CERCLA/SARA - Section 311/312 (Title III Hazard Categories)

**Acute Health:** No  
**Chronic Health:** No  
**Fire Hazard:** No  
**Pressure Hazard:** No  
**Reactive Hazard:** No

### CERCLA/SARA - Section 313 and 40 CFR 372:

This material does not contain any chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372.

### EPA (CERCLA) Reportable Quantity (in pounds):

This material does not contain any chemicals with CERCLA Reportable Quantities

### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

## **16. OTHER INFORMATION**

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