

# Safety Data Sheet

In accordance with the requirements of US 29 CFR  
1910.1200

## SECTION 1. Identification of Substance/Mixture and Supplier

### 1.1 Product Identifier

1.1.1 **Product Name:** Naturacell™ Cellulose Acetate Plastic Pellets

1.1.2 **Synonyms, Trade Names:** CA

1.2 **Recommended Use** Plastic consumer goods.

1.3 **Uses Advised Against** Structural materials, food products.

### 1.4 Safety Data Sheet Supplier Details

#### Manufacturer/Supplier

Rotuba Extruders, Inc.  
1401 Park Avenue South  
Linden, NJ 07036  
(908) 486 - 1000

Visit our website at [www.ROTUBA.com](http://www.ROTUBA.com).

### 1.5 Emergency Telephone Number

ChemTel, Inc.

Within the United States, Canada, Puerto Rico, and the U.S. Virgin Islands: (800) 255-3924

Within Mexico: 01-800-099-0731

Within China: 400-120-0751

All other international locations: 01-813-248-0585

## SECTION 2. Hazards Identification

CAUTION!

MOLTEN MATERIAL WILL CAUSE THERMAL BURNS

## SECTION 3. Composition/Information on Ingredients

### Components

Chemical Name	Concentration [%]	CAS-No.
Cellulose Acetate	> 60.0	9004-35-7
Plasticizer	< 40.0	Trade Secret
Colorant(s)	< 1.0	Proprietary
Additive(s)	< 1.0	Proprietary

This is a general range of formulations. Specific certificates of analysis are available upon request.

## SECTION 4. First Aid Measures

### 4.1 Description of First Aid Measures

<b>General Advice</b>	Consult a physician.
<b>Inhalation</b>	Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.
<b>Eye Contact</b>	Any material that contacts the eye should be washed out immediately with ample water. Remove contact lenses, if present and easy to do. If molten material contacts the eye, immediately flush with ample water for at least 15 minutes. Seek medical attention immediately.
<b>Skin Contact</b>	Wash with soap and water. If symptoms occur seek medical attention. If burned by contact with molten material, immediately use water to cool any molten material that has adhered to the skin. Do not attempt to remove any molten material that has adhered to skin. Seek medical attention immediately.
<b>Ingestion</b>	Consult a physician.

### 4.2 Most Important Symptoms/Effects, Acute and Delayed

Burns should be treated as thermal burns.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment

<b>Hazards</b>	Contact with molten material may cause severe burns to skin and eyes.
<b>Treatment</b>	Treat symptomatically.

## SECTION 5. Firefighting Measures

### 5.1 Extinguishing Media

<b>Suitable</b>	Water spray. Dry chemical.
<b>Unsuitable</b>	None known.

**5.2 Unusual Fire & Explosion Hazards** None known.

**5.3 Special Firefighting Procedures** None known.

### 5.4 Special Firefighting Protective Equipment for Firefighters

Self-contained breathing apparatus and full protective gear must be worn.

## **SECTION 6. Accidental Release Measures**

### **6.1 Personal Precautions, Protective Equipment, and Emergency Procedures**

Use protective personal equipment as required. Spilled pellets can cause unsafe walking conditions.

### **6.2 Environmental Precautions**

Not considered dangerous to the environment.

### **6.3 Methods and Materials for Containment and Cleanup**

Sweep or scoop up any spilled pellets. Place spilled pellets in a clearly labeled container for salvage or disposal. Observe all Federal, State, and local laws concerning health and environment.

## **SECTION 7. Handling and Storage**

### **7.1 Precautions for Safe Handling**

Avoid contact with molten material. Avoid prolonged breathing of vapors produced by heated material. Process material in adequately ventilated spaces only.

### **7.2 Conditions for Safe Storage**

Hold material in a tightly closed container and store in a dry and well-ventilated area.

## **SECTION 8. Exposure Controls/Personal Protection**

### **8.1 Control Parameters, Occupational Exposure Limits**

If exposure limits have not been established, maintain airborne levels to acceptable level.

### **8.2 Appropriate Engineering Controls**

Good general ventilation, 10 air changes per hour, should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

### **8.3 Individual Protection Measures, Personal Protective Equipment**

#### **General Information**

Eye bath. Washing facilities.

#### **Eye/Face Protection**

Minimize eye/face contact. Wear approved safety glasses when working with room temperature pellets. Wear an approved face shield when working with molten material.

#### **Skin Protection**

Minimize skin contact. When working with molten material wear approved gloves, long sleeves, long pants, and full coverage shoes.

#### **Respiratory Protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with and appropriate government approved (where applicable), air-purifying filter, cartridge, or canister. Contact EHS professional or manufacturer for specific information.

## SECTION 9. Physical and Chemical Properties

<b>Appearance</b>	
<b>Physical State</b>	Solid
<b>Form</b>	Pellet
<b>Color</b>	Varies with formulation
<b>Odor</b>	Slight
<b>Odor Threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting Point</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Flash Point</b>	Not applicable, combustible solid
<b>Evaporation Rate</b>	Not applicable
<b>Flammability</b>	No data available
<b>Flammability, Upper Limit (%)</b>	No data available
<b>Flammability, Lower Limit (%)</b>	No data available
<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density</b>	Not applicable
<b>Relative Density</b>	No data available
<b>Specific Gravity</b>	> 1 (estimated)
<b>Solubility</b>	
<b>In Water</b>	Negligible
<b>In Other</b>	No data available
<b>Partial Coefficient (n-octanol/water)</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	Thermal stability not tested. Low stability hazard expected at normal operating temperatures.
<b>Dynamic Viscosity</b>	No data available
<b>Kinematic Viscosity</b>	Not determined
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available

## SECTION 10. Stability and Reactivity

### 10.1 Chemical Stability

Stable

### 10.2 Possibility of Hazardous Reactions

None known.

### 10.3 Conditions to Avoid

None at ambient temperatures.

### 10.4 Incompatible Materials

Material can react with strong oxidizing agents.

### 10.5 Hazardous Decomposition Products

Carbon dioxide, carbon monoxide.

## **SECTION 11. Toxicological Information**

### **11.1 Information on Likely Routes of Exposure**

**Inhalation** None known.

**Ingestion** None known.

**Skin Contact** Molten material will produce thermal burns.

**Eye Contact** Molten material will produce thermal burns.

### **11.2 Short-Term Exposure**

No data available.

#### **Oral**

No data available.

#### **Dermal**

No data available.

### **11.3 Long-Term Exposure**

No ingredients or components contained within this product at greater than 0.1% are classified as carcinogenic.

## **SECTION 12. Ecological Information**

### **12.1 Ecotoxicity**

Not reported.

### **12.2 Persistence and Degradability**

Not reported.

### **12.3 Bioaccumulative Potential**

Not reported.

### **12.4 Mobility in Soil**

Not reported.

### **12.5 Other Adverse Effects**

Not reported.

## **SECTION 13. Disposal Considerations**

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

## **SECTION 14. Transportation Information**

Transportation of this product is not regulated by DOT 49CFR, IMDG, or IATA.

## **SECTION 15. Regulatory Information**

Only relevant information is reported.

## **SECTION 16. Other Information**

HMIS® Hazard Rating

Health - 1, Flammability - 1, Chemical Reactivity - 0

Product is sold in pellet form. Processing by the user will require melting at high temperatures, thereby exposing workers to potential thermal burns. Appropriate personal protective equipment is required.

Revision Information    Rev 1

Issue Date                4 February 2015

Disclaimer                This information is provided without warranty. The information is believed to be accurate to the best of Rotuba's knowledge as of the date of this document.

This information should be used to make an independent determination of the methods to safeguard workers and the environment.