

Revised: 11/1/07



MATERIAL SAFETY DATA SHEET

Cellulose Acetate Plastic Pellets - NATURACELL NATURACELL™ CA

SECTION I **Chemical Product & Company**

Product Name: Naturacell™ Cellulose Acetate Plastic Pellets
Chemical Name: N/A
Formula / Product: Various Formulations
Synonym(s): CA
Manufacturer: Rotuba Extruders, Inc.
1401 Park Avenue South
Linden, NJ 07036-1698 (USA)
For Information: Call (908) 486-1000, EST Monday through Friday
9:00 AM to 5:00 PM
Information Date: 10/16/96
Molecular Weight: N/A
Product Use: Plastic

SECTION II **Product Component Data**

Components	Approx. Weight %	CAS Registry #
Cellulose Acetate	> 60	9004-35-7
Plasticizer	< 40	Trade Secret
Colorants / Additives	< 10	Proprietary

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

SECTION III **Hazards Identification**

HMIS® Hazard Rating: Health – 1, Flammability – 1, Chemical Reactivity – 0

Product is in solid pellet form. Processing by user will require melting at high temperatures, thereby exposing workers to potential thermal burns. Appropriate PPE is recommended.

SECTION IV First-Aid Measures

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Eyes: Solid particles may scratch the eye.
If molten material contact the eye, immediately flush with plenty of water for at least 15 minutes.
Get medical attention immediately.
Skin: If burned by molten material, cool as quickly as possible. Do not remove or peel material from the skin. Get medical attention.
Ingestion: Ingestion of plastic pellets should be directed to a medical practitioner for advice.
Note to Physicians: Burns should be treated as thermal burns.

SECTION V Fire Fighting Measures

Flash Point: Not applicable, combustible solid
Lower and Upper Explosive Limit: Not applicable.
Extinguishing Media: Water spray or dry chemical.
Special Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing.
Unusual Fire & Explosion Hazards: None.

SECTION VI Accidental Release

Sweep or scoop up and remove any spilled pellets. Collect and contain for salvage or disposal. Observe all Federal, State, and local laws concerning health and environment.

SECTION VII Handling & Storage

Storage: Keep container closed.
Personal Precautionary Measures: Avoid contact with molten material. Avoid prolonged breathing of vapor from heated material. Process with only adequate ventilation.

SECTION VIII Exposure Controls / Personal Protection

Plasticizer US ACGIH TLV TWA: No Limits
US NIOSH: REL: No Limits
OSHA: PEL: None Listed

Ventilation: Good general ventilation. Ventilation rates should be matched to the conditions. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels for comfort of employees.

Respiratory Protection: None required.

Eye Protection: Wear a face shield or approved safety glasses when working with molten materials.

Skin Protection: Wear gloves and long sleeves to protect against thermal burns when material is heated.

SECTION IX
Physical and Chemical Data

Physical Form	Solid Pellet
Color	Varies with formulation
Odor	slight
Specific Gravity	>1
Vapor Pressure	N/A
Solubility in Water	Negligible
pH	N/A
Flash Point	N/A, combustible solid

SECTION X
Stability & Reactivity

Stability: Stable
Incompatibility: Material can react with strong oxidizing agents.
Hazardous Polymerization: Will not occur.
Hazardous Combustion Products: Carbon dioxide, carbon monoxide.

SECTION XI
Toxicological Information

Toxicological Data for combined plastic form:

TEST: Acute Oral Toxicity in Rat Up & Down Procedure P320/UDP
Dose: >5,000 mg/kg wt. All animals survived.
TEST: Primary Skin Irritation Study in Rabbits P326
Via Draize Primary Skin Irritation Scoring System
0 – Erythema
0 – Edema

Toxicological Data for pure plasticizer (prior to being processed and bound into plastic)

Mouse	Oral	LD50	8,500 mg/kg
Mouse	Subcutaneous	LD50	2,500 mg/kg
Rat	Subcutaneous	LD50	4,000 mg/kg

Formulations have been tested and passed for ASTM F963-03 and EN71-3.

No pigments or dyes used in color formulations are reported to have any reported levels of hexavalent chromium. All pigments, dyes, and other components of Naturacell™ fully meet regulations as defined in RoHS, California Proposition 65, and CONEG.

SECTION XII
Ecological Information

This material has not been tested for environmental effects.