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: High Concentration Fragranced Cellulose Acetate Plastic Pellets

1.1.2 Synonyms, Trade Names: Auracell®, Auracell®CA

1.2 Recommended Use Scented consumer plastic 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.

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! WHEN MELT PROCESSING, MOLTEN MATERIAL MAY CAUSE THERMAL BURNS

SECTION 3. Composition/Information on Ingredients

Components

Chemical Name	Concentration [%]	CAS-No.
Cellulose Acetate	> 50.0	9004-35-7
Triethyl Citrate*	0 - 20.0	77-93-0
Diacetin*	0 - 20.0	25395-31-7
K-Flex*	0 – 20.0	Mixture using 27138-31-4
Hexylene Glycol	< 5.0	107-41-5
Fragrance Components**	15.0 - 24.0	3rd Party - Proprietary
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.
*Formulations may be specified with either Diacetin, K-Flex, or Triethyl Citrate, or a mixture of all.
**SDS for the fragrance component of a specific formulation is maintained by the fragrance manufacturer and can be supplied upon request.

SECTION 4. First Aid Measures

4.1 Description of First Aid Measures

General Advice Consult a physician.

Inhalation Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eye Contact 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.

Skin Contact 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.

Ingestion 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

Hazards Contact with molten material may cause severe burns to skin and eyes.

Treatment Treat symptomatically.

SECTION 5. Firefighting Measures

5.1 Extinguishing Media

Suitable Water spray. Dry chemical.

Unsuitable 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

Hexylene Glycol	TWA	STEL	Notes
ACGIH TLV	-	25 ppm	125 mg/m^3
NIOSH REL	25 ppm	-	125 mg/m^3

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

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

An independent toxicological review has been conducted of representative formulas of CA based Auracell®, including the polymer, plasticizers, stabilizers, and representative fragrance and colorants. In addition, representative formulation samples were also submitted for oral toxicity and dermal irritation testing.

Oral

The representative samples submitted for acute oral toxicity testing indicate the formula is non-toxic as defined by the Consumer Product Safety Commission.

Dermal

The representative samples submitted for dermal irritation testing under standard OECD protocols indicate the formula is non-irritating when subjected to prolonged (24 hour) skin contact.

11.3 Long-Term Exposure

No ingredients or components contained within this product at greater than 0.1% are classified as carcinogenic. It is recommended that Auracell® formulations and ingredients be specifically evaluated on a case-by-case basis for specific applications and intended uses to ensure fitness for use.

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 Heath - 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.

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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.