



# Castagra Products, Inc.

## **MATERIAL SAFETY DATA SHEET - ECODUR 201S PART A**

### **MANUFACTURERS NAME:**

CASTAGRA PRODUCTS, INC.  
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### **EMERGENCY/INFORMATION PHONE:**

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## **Section 1: Product Identification**

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PRODUCT NAME: ECODUR 201S (PART A)  
PRODUCT NUMBER: 201S-A  
WHMIS. CLASSIFICATION: D2b.  
HMIS. CLASSIFICATION:  
HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PERSONAL PROTECTION: B

## **Section 2: Hazardous Ingredients**

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INGREDIENT: CASTOR OIL: 30-60% w/w  
CAS. NUMBER: 8001-79-4  
LD 50: LC 50: No data available.

## **Section 3: Physical Data**

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ODOUR AND APPEARANCE: Opaque, liquid with low vegetable oil odour.  
(Colour will vary)  
VAPOUR PRESSURE: Data not available.  
VAPOUR DENSITY: More than air.  
EVAPORATION RATE: Very slow.  
BOILING POINT: Data not available.  
FREEZING POINT: Data not available.  
SOLUBILITY IN WATER: Insoluble.  
SPECIFIC GRAVITY: Approx. 1.2  
pH: Not applicable.

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## **Technical Contact**

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## **Section 4: Fire and Explosion Data**

FLAMMABILITY ?	Yes.
UNDER WHAT CONDITIONS ?	Extreme heat plus an ignition source.
SPECIAL FIRE FIGHTING PROCEDURES:	None.
UNUSUAL FIRE & EXPLOSION HAZARDS:	None.
MEANS OF EXTINCTION:	Foam, water fog, CO2.
FLAMMABLE LIMITS:	No data available.
FLASH POINT & METHOD:	235° C (COC) (after dehydration).
AUTOIGNITION TEMPERATURE:	No data available.
HAZARDOUS COMBUSTION PRODUCTS:	Black smoke, oxides of carbon, oxides of sulfur at >1450 C
SENSITIVITY TO IMPACT:	None.
SENSITIVITY TO STATIC DISCHARGE:	None.

## **Section 5: Reactivity Data**

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CHEMICAL STABILITY:	Yes.
INCOMPATIBILITY WITH OTHER SUBSTANCES ?	Yes.
WHICH ONES ?	Strong oxidisers.
REACTIVITY AND UNDER WHAT CONDITIONS ?	None.
HAZARDOUS DECOMPOSITION PRODUCTS:	None known.

## **Section 6: Toxicological Properties**

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ROUTES OF ENTRY:	EYE CONTACT, INGESTION.
EFFECTS OF ACUTE EXPOSURE:	Irritant to eyes & digestive system.
EFFECTS OF CHRONIC EXPOSURE:	None known.
EXPOSURE LIMITS:	No data available.
IRRITANCY OF PRODUCT:	Irritant to eyes & digestive system.
SENSITIZATION OF PRODUCT:	None known.
CARCINOGENICITY:	None known.
TERATOGENICITY:	None known.
REPRODUCTIVE TOXICITY:	None known.
MUTAGENICITY:	None known.
SYNERGISTIC PRODUCTS:	None known.



## **Section 7: Preventive Measures**

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### PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: The use of rubber gloves is recommended.  
EYE: Eye protection is recommended.  
RESPIRATOR: Not usually required.  
FOOTWEAR: No special requirements.  
CLOTHING: Long sleeved garments and long pants recommended.

OTHER: None.

ENGINEERING CONTROLS: General ventilation is sufficient.

LEAK AND SPILL PROCEDURES: Stop leak. Mop up with mineral absorbent. Wash down floor with plenty of hot soapy water.

WASTE DISPOSAL: Dispose of in a land fill site according to all regulations.

### HANDLING PROCEDURES AND EQUIPMENT:

Mix well before using.  
STORAGE REQUIREMENTS: Store in a cool dry place.  
SHIPPING DATA: No special shipping requirements.

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EYES: Wash well with plenty of warm water. DO NOT RUB EYES. If irritation persists consult a physician.

SKIN: Wash well with plenty of soap and warm water. If irritation develops, contact a physician.

INHALATION: Not considered a hazard.

INGESTION: Give plenty of water to drink. Consult a physician.

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PREPARED BY: CASTAGRA PRODUCTS, INC.

DATE: 28 JUNE 2012

## **Section 8: First Aid**

## **Section 9: Preparation Data**

The information contained herein is based on data believed to be reliable by CASTAGRA PRODUCTS, INC. It is true and accurate to the best of our knowledge, but is not intended to be all inclusive. Users should consider this information as a supplement to other information gathered by them and must make their own determination of suitability and completeness to assure proper safe use and disposal of these materials.