



M A T E R I A L S A F E T Y D A T A S H E E T

PRODUCT NAME: Econo Gelbreak-E100

REVISION DATE: May 30, 2012

For Chemical Emergency (Spill, Leak, Fire, Exposure or Accident)

CALL CHEMTREC Day or Night 800-424-9300

For International, Call 703-527-3887 (Collect Calls Accepted)

**** FOR INDUSTRIAL USE ONLY ****

Section I - Product Information

Chemical Name: Cellulase
Formula: NA CAS Number:
DOT Hazard Class: Not Regulated Reportable Quantity: None

Section II – Composition, Information on Ingredients

Material	CAS #:	Percent
Guar Gum	9012-54-8	Confidential
Dextrose	492-62-6	Confidential

Section III - Health Hazard Data

Signs & Systems of Overexposure in the Workplace
Eyes: May cause irritation. Skin: May cause mild irritation.
Inhalation: Inhaling dust may cause respiratory irritation. Ingestion: None Known.
MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:
None Known
PRIMARY ROUTE OF ENTRY: Following standard industrial hygiene and recommended procedures, entry of the compound into the body is not expected.
CANCER INFORMATION: Not listed as a carcinogen by NTP (National Toxicology Program); not regulated as a carcinogen by OSHA (Occupational Safety & Health Administration); not evaluated by IARC (International Agency for Research on Cancer).
Toxic Data
Eye contact: A PRIMARY ROUTE OF ENTRY, no data is available
Skin Contact: A PRIMARY ROUTE OF ENTRY, no data available
Inhalation: No data is available
Ingestion: No data is available
Special Precautions: Individuals with skin or respiratory diseases should not be exposed to this product unless properly protected.

Section IV- First Aid Measures

Threshold Limit Value (TLV) for Product: None Established.
Does product contain any OSHA, NTP or IARC Carcinogens? No
First Aid

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Eyes: Flush thoroughly with running water at least 15 minutes. Get medical attention if irritation persists.
Skin: Remove contaminated clothing and wash contact area with soap and water for 15 minutes.
Inhalation: In case of exposure to a high concentration of dust, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention. Ingestion: If appreciable quantities are swallowed, seek medical attention.
Nature of Hazard (Physiological Effects)
WARNING: MAY CAUSE EYE IRRITATION. BREATHING DUST MAY CAUSE RESPIRATORY IRRITATION

Section V - Fire & Explosion Hazard Data

Flash Point (Closed Cup): No information Available
Flammable Limits: No data is available
Extinguishing Media: Water spray, Foam, CO₂, Dry Chemical
Special Fire Fighting Procedures: Wear a self contained breathing apparatus to avoid toxic fumes. Slippery when wet.
Fire & Explosion Hazards: Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. Cool drums exposed to flames with a water spray.
*Additional information will be provided in a medical emergency to qualified medical personnel.

Section VI – Accidental Release Measures

Evacuation Procedures and Safety: CAUTION: Spilled material may become slippery when wet. Do not leave traces of product on floors, ladders, etc., as this may present a slipping hazard. Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.
Containment of Spill: Follow procedure described below under Cleanup and Disposal of Spill
Cleanup and Disposal of Spill: Dry Material: Sweep up and place in an appropriate closed container (see Section 7: Handling and Storage). Wet Material: Absorb with an inert absorbent. Shovel up into an appropriate closed container (see Section 7: Handling and Storage).
Environmental and Regulatory Reporting: Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

Section VII – Handling & Storage

Handling: Avoid breathing dusts
Storage: Store in closed containers. Store in an area that is dry.

Section VIII - Special Protection Information

Engineering Controls: Consult a qualified engineer for evaluation of materials handling and explosion protection system(s).
Personal Protective Equipment (PPE):
• **Eye Protection:** Safety glasses or goggles recommended.
• **Skin Protection:** Rubber, plastic or leather gloves recommended.
• **Respiratory Protection:** If the concentrations are high, a NIOSH approved dust respirator, supplied air respirator or self-contained breathing apparatus is recommended. Select appropriate respiratory protection for respirable particulates based on consideration of the airborne workplace concentrations and duration of

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exposure. Select and use respirators in accordance with 29 CFR 1910.134 <http://www.access.gpo.gov/nara/cfr/cfr-retrieve.html#page1> , ANSI Z88.2 <http://www.ansi.org/>, the NIOSH Respirator Decision Logic and good industrial hygiene practice <http://www.cdc.gov/niosh/homepage.html>. To simplify selection of the appropriate respirator, OSHA has developed the Advisor Genius. Available online, the advisor genius allows a safety professional to input the conditions under which the respirator will be used and receive a recommendation of the type of respirator to use. The advisor also contains information about types of respirators and factors that affect respirator use. The online advisor contains a set of options as to the use of the respirator (firefighting, welding, escape purposes, confined areas) and then generates a report with the relevant OSHA standard indicated. The advisor is available at http://www.osha.gov/SLTC/etools/respiratory/respirator_selection.html.

Section IX - Physical Data

Appearance: Light Brown Powder	Freezing Range: Not Available
Boiling Range: Completely Miscible with Water	Vapor Pressure: Not Available
Solubility: Not Available	Specific Gravity: Not Available

Section X - Reactivity Data

Stability: Stable Hazardous Polymerization: Will not occur
Conditions to avoid: Fire, heat, moisture
Incompatibility (Materials to Avoid): Strong oxidizers, Liquid Acids
Hazardous Decomposition Products: Fumes produced when heated to decomposition may include: oxides of carbon.

Section XI – Toxicological Data

Meets Food Chemical codex requirements and JECFA Specifications for enzyme preparations.

Acute Toxicity: Not expected to be acutely toxic.

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" human carcinogens. No additional test data found for product

Section XII – Ecological Data

Ecotoxicological Information: No data found for product
Chemical rate information: No data found for product

Section XIII – Disposal Considerations

Waste Disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
Container Handling and Disposal: Any containers or equipment used should be decontaminated immediately after use.

EPA Hazardous Waste – *NO*

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Section XIV – Transport Information

This product is not regulated for transport

Section XV – Regulatory Information

Inventory	status	Inventory	status
UNITED STATES (TSCA)	Y	CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	N	AUSTRALIA (AICS)	Y
JAPAN (MITI)	N	SOUTH KOREA (KECL)	Y

Y = All ingredients are on the inventory. E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

FEDERAL REGULATIONS

Inventory Issues: All functional components of this product are listed on the TSCA

Inventory.

SARA Title III Hazard Classes:

Fire Hazard	NO	Reactive Hazard	NO
Release of Pressure	NO	Acute Health Hazard	NO
Chronic Health Hazard	NO		

SARA Extremely Hazardous Substances (EHS)/CERCLA Hazardous Substances: This product does not contain any hazardous substances as considered by SARA or CERCLA.

State Regulations: This product does not contain any components that are regulated under California Proposition 65.

Section XVI - Miscellaneous

Comments: Use good housekeeping procedures to minimize dust build-up

Disclaimer: THE INFORMATION WHICH IS IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT; HOWEVER, THE PRODUCT DISCUSSED HEREIN IS SOLD WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED, AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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