

# FIBER MARKETING INTERNATIONAL

## EROSION CONTROL PRODUCTS

### SAFETY DATA SHEET

*EcoTac Guar GG-1200™*

Effective Date: June 1, 2015

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#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** *EcoTac Guar GG-1200™*  
**CHEMICAL NAME/SYNONYM:** Guar Gum Tackifier / Galactomannan

**MANUFACTURER:** Apex Resources Inc.  
**ADDRESS:** 5546 Shepherdsville Road  
Louisville, KY 40228

**EMERGENCY PHONE:** Telephone: (502) 964-7521  
Emergency Telephone: (800) 426-6002  
Website: [www.apexr.com](http://www.apexr.com)

**RECOMMENDED USE:** A tackifier for hydromulch and straw.

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#### SECTION 2: HAZARDS IDENTIFICATION

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**Emergency Overview:** *EcoTac Guar GG-1200™* is a solid powder. It is a natural organic material derived from the guar plant (*Cyanopsis tetragonoloba*). This natural polysaccharide contains no additives and remains unaltered for proper hydration in its natural state. *EcoTac Guar GG-1200* is not a carcinogen and is not toxic.

**OSHA HAZARD CLASSIFICATION:** COMBUSTIBLE DUST – Category 3

**OSHA HAZARD PICTOGRAM:**



**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS:**

H320: Dust may cause eye irritation from prolonged exposure.

H335: Dust may cause respiratory irritation from prolonged exposure.

High dust concentrations could cause an explosion in the presence of a spark or flame. See Section 5, Unusual Hazards.

**PRECAUTIONARY STATEMENTS:**

P202: Do not handle until all safety precautions have been read and understood.

P232: Protect from moisture to avoid congealing.

P261: Avoid breathing dust. Use face mask.

P302+P352+P333: If on the skin, wash with plenty of water. If skin irritation or a rash occurs get medical attention.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to remove – continue rinsing. If irritation continues get medical attention.

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## PRECAUTIONARY STATEMENTS: (cont.)

P370+P378: In case of fire use foam or water to extinguish. **Caution: Guar is extremely slippery** as a liquid.  
P391+P501: Collect spillage and use or dispose of contents/container in accordance with local regulations.  
P402: Store in a dry place or under cover. Avoid getting the product wet.

**Other hazards which do not result in classification:** None

CAS #..... 9000-30-0  
ACGIH TLV-TWA.....5 mg/m<sup>3</sup> (respirable)  
OSHA PEL-TWA.....5 mg/m<sup>3</sup> (respirable)  
OSHA PEL-TWA.....15 mg/m<sup>3</sup> (total dust)

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## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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**Common Name:** Guar gum  
**Botanical Name:** Galactomannan  
**CAS Number:** 9000-30-0  
**Hazard Compound:** Carbohydrate  
**OSHA Hazardous Matl:** Yes  
**OSHA Hazard Categories:** Irritant, Sensitizer, Combustible Dust

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## SECTION 4: FIRST AID MEASURES

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**Eyes:** Remove excess material from eyes. Irrigate eyes with water. Consult physician if irritation persists.  
**Respiratory:** May produce irritation or allergic response.  
**Skin:** May cause dryness, wash skin with soap and water.  
**Ingestion:** Remove victim to fresh air. Wash out mouth with water. Remove dentures if any. If conscious, give small amounts of water. Get medical attention if adverse health effects persist.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**Flash Point:** Not applicable  
**Flammable Limits:** Similar to flour  
**LEL:** 0.04 oz./cf  
**UEL:** Not determined  
**Extinguisher Media:** CO<sub>2</sub>, dry chemical, foam, water fog  
**Special Precautions for Firefighters:** Treat as a Class A fire. Wear self-contained breathing apparatus to avoid smoke. **Very slippery** if product comes in contact with water.  
**Unusual Fire & Explosive Hazard:** Powder has the potential to form explosive dust mixture with air. Avoid creating dust. Keep away from heat, open flame and sparks. Use spark-proof motors. Ventilate to control dust.  
**NFPA Rating:** Health hazard = 1; Fire hazard = 0; Reactivity hazard = 0

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Steps to be taken in case material is released or spilled:** Guar gum is **very slippery when wet**. Clean up with a vacuum. Reuse if suitable or dispose. Mop area with hot water to remove final traces. Test area and repeat if necessary.

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## SECTION 7: HANDLING AND STORAGE

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**Handling:** Avoid formation of dust and aerosols. Ensure adequate ventilation.  
**Storage:** Store in a dry, cool place. Guar gum is stable in dry form. Keep container closed to avoid moisture pick-up. Properly cover container and retest after extended storage to assure quality prior to use.  
**Specific end uses:** Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Control parameters: Occupational Exposure Limits**

**Exposure Limits:** ACGIH TLV-TWA.....5 mg/m<sup>3</sup> (respirable)  
OSHA PEL-TWA.....5 mg/m<sup>3</sup> (respirable)  
OSHA PEL-TWA.....15 mg/m<sup>3</sup> (total dust)

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**Respiratory protection:** Use dust mask or respirators

**Eye protection:** Chemical/ safety goggles

**Hand protection:** Protective gloves: Rubber, plastic, leather

**General hygiene:** Handle in accordance with good industrial hygiene & safety practices.

**Environmental exposure:** Guar Gum is a natural and stable organic hydrocolloid tackifier derived from the seed endosperm of the guar gum plant. The food grade equivalent is used extensively as a thickener in many food products. When used in accordance with the manufacturers recommendations there is no evidence of any harmful effect to the environment. There is no known harmful effects to aquatic life, plants or animals when used in accordance with the manufacturer's recommendations.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**Physical state**.....Powder  
**Color**.....Creamy white  
**Odor**.....Bean like  
**Density**.....Solid  
**Boiling Point (C)** .....Solid, not applicable.  
**Melting Point:**.....Decomposes  
**pH**..... 5-8  
**Solubility**.....Complete in water  
**Evaporation Rate**.....Solid, not applicable

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## SECTION 10: STABILITY AND REACTIVITY

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**Reactivity**.....Not relevant. N/A  
**Chemical stability**.....Stable  
**Hazardous reactions**.....None under normal processing conditions  
**Conditions to avoid**.....Ignition sources, water contact-*very slippery when wet*  
**Incompatible materials**.....Strong Oxidizers  
**Hazardous decomposition**.....None

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**Toxicity**.....Oral rat LD50: Guar gum is a natural food additive. Direct use in powder or pill form is banned by the FDA due to the risk of respiratory or gastrointestinal blockage.  
**Irritation**.....Negligible hazard at ambient/normal handling temperatures  
**Ingestion**.....Toxicity: LD50>15,000mg/kg, minimally toxic  
**Skin**.....Toxicity: LD50>3400 mg/kg minimally toxic  
**Eye**.....Irritation may cause mild, short-lasting discomfort to eyes

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## SECTION 12: ECOLOGICAL INFORMATION

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Guar Gum is a natural and stable organic hydrocolloid tackifier derived from the seed endosperm of the guar gum plant. The food grade equivalent is used extensively as a thickener in many food products. When used in accordance with the manufacturers recommendations there is no evidence of any harmful effect to the environment, aquatic life, animals or plants.

Persistence and degradability	Bio accumulative potential
Readily biodegradable	Does not bio accumulate

**Hydrolysis**.....Material transformation due to hydrolysis not expected to be significant  
**Photolysis**.....Material transformation due to photolysis not expected to be significant  
**Mobility in soil**.....Not relevant  
**Results of PBT & vPvB**.....Components do not meet or exceed PBT or vPvB criteria according to REACH Annex XIII  
**Other adverse effects**.....No information available

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## SECTION 13: DISPOSAL CONSIDERATIONS

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**Waste Disposal Method:** Guar gum is not hazardous waste and is listed for EEC and USA under EPA registry CAS #9000-30-0. Dispose in an approved landfill in accordance with local regulations. Do not dump down sewers or drains.

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## SECTION 14: TRANSPORT INFORMATION

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**UN number:** Not applicable  
**UN proper shipping name:** Not applicable  
**Transport hazard class (es):** Not applicable  
**Packing group:** Not applicable  
**Environmental hazards:** Not applicable  
**Special precaution for user:** Not applicable  
**Transport in bulk:** Not applicable

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## SECTION 15: REGULATORY INFORMATION

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**SARA 302 Components:** No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313 Components:** No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 311/312 Hazards:** None

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

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## SECTION 16: OTHER INFORMATION

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<b>Definition of Common Terms:</b>		<b><u>ADDITIONAL INFORMATION</u></b>
<b>ACGIH</b>	=	American Conference of Governmental Industrial Hygienists
<b>C</b>	=	Ceiling Limit
<b>CAS#</b>	=	Chemical Abstracts System Number
<b>IARC</b>	=	International Agency for Research on Cancer
<b>MSHA</b>	=	Mining Safety and Health Administration
<b>NAP</b>	=	Not Applicable
<b>NAV</b>	=	Not Available
<b>NIOSH</b>	=	National Institute for Occupational Safety and Health
<b>NTP</b>	=	National Toxicology Program
<b>OSHA</b>	=	Occupational Safety and Health Administration
<b>PEL</b>	=	Permissible Exposure Limit
<b>STEL</b>	=	Short-Term Exposure Limit (15 minutes)
<b>TLV</b>	=	Threshold Limit Value
<b>TWA</b>	=	Time-Weighted Average (8 hours)

Information presented herein has been compiled from sources considered dependable and is accurate and reliable to the best of our knowledge and belief, but it is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product in violation of any patents or in violation of any laws or regulations. It is the user's responsibility to determine the suitability of any material for a specific purpose and adopt necessary safety precautions. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.