

**LYMAN PRODUCTS**  
SAFETY DATA SHEET

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

**1.1 Product Identifier**

**Trade Name** Corncob Tumbler Media (Green)  
**Product Number** 7631307, 7631394, 7631320  
**SDS Date of Preparation** 11/19/2012

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against Product Use:**

**1.3 Details of the Supplier of the Safety Data Sheet**

**Manufacturer:** Lyman Products  
 475 Smith Street  
 Middletown, CT 06457 USA  
**Information Phone Number:** (860) 632-2020  
**E-mail**

**1.4 Emergency Telephone Number**

**Emergency Spill Information** Domestic North America: (860) 632-2020

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the Substance or Mixture**

**GHS/CLP (1272/2008) Classification:**

Not Classified as Hazardous

**EU Classification (1999/45/EC):**

Not Classified as Dangerous

**2.2 Label Elements**

None Required

**2.3 Other Hazards:** None

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

Chemical Name	CAS#	EINECS#	EU Classification (67/548/EEC)	GHS/CLP Classification	% w/w
Processed Corn Cobs	Mixture	Mixture	Not Dangerous	Not Hazardous	90-100%
Aluminum Oxide	1344-28-1	215-691-6	Not Dangerous	Not Hazardous	1-5%
Highly refined mineral oil	Proprietary	Proprietary	Not Dangerous	Not Hazardous	1-5%

The exact percentage is a trade secret

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of First Aid Measures**

**Eye:** Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

**Skin:** Wash contact area with soap and water. Get medical attention if irritation or symptoms of exposure develop.

**Inhalation:** No first aid should be needed. If irritation from dust occurs and persists, get medical attention.

**Ingestion:** No harmful effects are expected. If symptoms occur, get medical attention.

**4.2 Most important symptoms and effects, both acute and delayed:** If dust is generate, it may cause slight mechanical eye, skin, and respiratory irritation. Symptoms would include itching eyes and skin, cough, and nasal congestion.

**4.3 Indication of any immediate medical attention and special treatment needed:** None known

**SECTION 5: FIRE AND EXPLOSION DATA**

**5.1 Extinguishing Media:** Use water fog or spray, universal foam, or dry chemical.

**5.2 Special Hazards Arising from the Substance or Mixture**

**Unusual Fire and Explosion Hazards:** Dust generated in cutting or other processing of this material may present a potential fire and explosion hazard if suspended in air at high concentrations. Minimize the generation and accumulation of dust.

**Composition Products:** Oxides of carbon and chromium compounds.

**5.3 Advice for Fire-Fighters:**

**Special Fire Fighting Procedures:** Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

No special procedures required.

**6.2 Environmental Precautions:**

Avoid release to the environment. Report spills and releases as required to appropriate authorities.

**6.3 Methods and Material for Containment and Cleaning Up:**

Pick up material and place into a container for disposal.

**6.4 Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for Safe Handling:** Avoid creating and breathing dusts. Use with adequate ventilation. Wash thoroughly after handling. Minimize the generation and accumulation of dust. Keep dust away from open flames, hot surfaces and sources of ignition.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry area.

**7.3 Specific end use(s):** None specified

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters:** Refer to country-specific legislation for specific requirements where not listed below.

Chemical Name	Exposure Limits
Processed Corn Cobs (as particulates not otherwise classified, or dust)	15 mg/m <sup>3</sup> TWA (Total Dust); 5 mg/m <sup>3</sup> TWA (Respirable) OSHA PEL 10 mg/m <sup>3</sup> TWA Belgium OEL 10 mg/m <sup>3</sup> TWA (Inhalable); 4 mg/m <sup>3</sup> TWA (Respirable) UK OEL 4 mg/m <sup>3</sup> TWA (Inhalable); 1.5 mg/m <sup>3</sup> TWA (Respirable) DFG MAK
Aluminum Oxide	15 mg/m <sup>3</sup> TWA (Total Dust); 5 mg/m <sup>3</sup> TWA (Respirable) OSHA PEL 1 mg/m <sup>3</sup> TWA (Inhalable) ACGIH TLV 10 mg/m <sup>3</sup> TWA (Inhalable); 4 mg/m <sup>3</sup> TWA (Respirable) UK OEL 4 mg/m <sup>3</sup> TWA (Inhalable); 1.5 mg/m <sup>3</sup> TWA (Respirable) DFG MAK
Highly refined mineral oil	5 mg/m <sup>3</sup> TWA OSHA PEL 5 mg/m <sup>3</sup> TWA (Inhalable) ACGIH TLV

5 mg/m <sup>3</sup> TWA Belgium OEL
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**8.2 Exposure Controls:**

**Ventilation:** General exhaust ventilation should normally be adequate to control exposures. If exposures are excessive, local exhaust ventilation should be used.

**Respiratory Protection:** None required for normal use. If needed, an approved dust respirator may be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Skin Protection:** None should be needed under normal use conditions. Impervious gloves should be used for prolonged or repeated contact.

**Eye Protection:** None should be needed under normal use conditions. Safety glasses should be used if eye contact is likely.

**Other Protective Equipment:** None should be needed under normal use conditions.

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>
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**9.1 Information on basic Physical and Chemical Properties**

<b>Appearance:</b> Green granules	<b>Vapor Density:</b> Not applicable
<b>Odor:</b> Slight hydrocarbon	<b>Specific Gravity:</b> No data available
<b>Odor Threshold:</b> No data available	<b>Solubility:</b> Very slightly soluble in water
<b>pH:</b> Not applicable	<b>Octanol/Water Partition Coefficient:</b> No data available
<b>Melting Point/Freezing Point:</b> Not applicable	<b>Autoignition Temperature:</b> No data available
<b>Boiling Point:</b> Not applicable	<b>Decomposition Temperature:</b> No data available
<b>Flash Point:</b> 215.6°C (420°F)	<b>Viscosity:</b> Not applicable
<b>Evaporation Rate:</b> Not applicable	<b>Explosive Properties:</b> None
<b>Flammable Limits:</b> LEL: Not applicable UEL: Not applicable	<b>Oxidizing Properties:</b> None
<b>Vapor Pressure:</b> Not applicable	<b>Flammability (solid, gas):</b> No data available

**9.2 Other Information:** None available

<b>SECTION 10: STABILITY AND REACTIVITY</b>
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**10.1 Reactivity:** Not reactive

**10.2 Chemical Stability:** Stable

**10.3 Possibility of Hazardous Reactions:** Will not occur.

**10.4 Conditions to Avoid:** Keep away from excessive heat and open flames.

**10.5 Incompatible Materials:** Strong oxidizers.

**10.6 Hazardous Decomposition Products:** Combustion will produce oxides of carbon.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>
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**11.1 Information on Toxicological Effects:****Potential Health Effects:**

**Eye Contact:** May cause slight mechanical eye irritation. Corneal injury is unlikely.

**Skin Contact:** May cause slight mechanical irritation with prolonged or repeated exposure.

**Inhalation:** Inhalation of dusts may cause slight nose and throat irritation.

**Ingestion:** Not expected to be harmful.

**Acute Toxicity Values:**

Highly refined mineral oil: LD50 oral rat >5000 mg/kg; LD50 dermal rabbit >5000 mg/kg

Aluminum Oxide: LD50 oral rat >5000 mg/kg;

**Skin corrosion/irritation:** No data available for mixture. Components are not skin irritants.

**Eye damage/irritation:** No data available for mixture. Components are not eye irritants.

**Respiratory Irritation:** No data available for mixture. Components are not respiratory irritants.

**Respiratory Sensitization:** No data available for mixture. Components are not skin sensitizers.

**Skin Sensitization:** No data available for mixture. Components are not respiratory sensitizers.

**Germ Cell Mutagenicity:** No data available for mixture. Components are not germ cell mutagens.

**Carcinogenicity:** None of the components of this product present at <0.1% are listed as carcinogens by OSHA, IARC, NTP, ACGIH and the EU CLP. The highly refined mineral oil consists of types shown to be non-carcinogenic in animal skin painting studies.

**Reproductive Toxicity:** No data available for mixture. Components are not reproductive toxins.

**Specific Target Organ Toxicity:**

Single Exposure: No data available

Repeat Exposure: No data available.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

No data available. Not expected to be harmful to the environment. Highly refined mineral oil is not soluble in water and not expected to be toxic but may cause physical coating of aquatic organisms and interfere with respiration. Green pigment is not toxic to fish at 1000 mg/L.

**12.2 Persistence and Degradability:** Highly refined mineral oil is not expected to be readily biodegradable but is expected to be inherently biodegradable. Corn cob will readily degrade. Aluminum oxide is not degradable.

**12.3 Bioaccumulative Potential:** No data available

**12.4 Mobility in Soil:** No data available

**12.5 Results of PBT and vPvB Assessment:** Not required

**12.6 Other Adverse Effects:** Non known

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods:**

Dispose in accordance with all local, state and national regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

	<b>14.1 UN Number</b>	<b>14.2 UN Proper Shipping Name</b>	<b>14.3 Hazard Class(s)</b>	<b>14.4 Packing Group</b>	<b>14.5 Environmental Hazards</b>
<b>US DOT</b>	None	Not regulated	N/A	N/A	None
<b>Canadian TDG</b>	None	Not regulated	N/A	N/A	None
<b>EU ADR/RID</b>	None	Not regulated	N/A	N/A	None
<b>IMDG</b>	None	Not regulated	N/A	N/A	None
<b>IATA/ICAO</b>	None	Not regulated	N/A	N/A	None

**14.6 Special Precautions for User:** Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

**U.S. FEDERAL REGULATIONS:**

**CERCLA 103 Reportable Quantity:** This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

**SARA TITLE III:**

**Hazard Category for Section 311/312:** Not Hazardous

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None above de minimus concentration

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on TSCA.

**STATE REGULATIONS:**

**California Proposition 65:** This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive harm: <1 ppm hexavalent chromium

**INTERNATIONAL REGULATIONS:**

**US EPA TSCA Inventory:** All of the components are listed on the TSCA inventory.

**Canadian Environmental Protection Act:** All of the components are listed on the Canadian Domestic Substances List.

**European Union:** All of the components are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

**Australia:** All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

**China:** All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

**Korea:** All of the components of this product are listed on the Korean Existing Chemical List (KECL).

**Japan:** All of the components of this product are listed on the Japanese Existing and New Chemical Substances List (ENCS).

**New Zealand:** One or more of the components of this product are not listed on the New Zealand Inventory of Chemicals (NZIoC).

**Philippines:** All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

**German WGK:** nwg

**SECTION 16: OTHER INFORMATION**

**HMIS Ratings:** Health - 1                      Flammability - 1                      Reactivity - 0

**NFPA Ratings:** Health - 1                      Flammability - 1                      Reactivity - 0

**SDS Revision History:**

11/19/2012: New SDS

**GHS Classification for Reference (See Sections 2 and 3):**

None

**EU Classes and Risk Phrases for Reference (See Sections 2 and 3):**

None

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This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Lyman Products shall not be held liable for any damage resulting from handling or from contact with the above product.