



MATERIAL SAFETY DATA SHEET BRUNSWICK SHUFFLEBOARD WAX

VERSION: 1
CREATED 10/17/2012

1. PRODUCT INFORMATION

Trade Name: BRUNSWICK SHUFFLEBOARD WAX
Common Name: Corn Meal, Degermed
Chemical Composition: Meal produced by grinding dehulled, degermed corn.
Manufacturer/Supplier:

Product Use: Shuffleboard Powder

2. HAZARDS IDENTIFICATION

Hazardous Ingredients: None. Product is for human consumption

3. PHYSICAL DATA

Appearance: Bright yellow to light yellow meal
Boiling Point: Not applicable
Vapor Density (Air = 1.0): Not applicable
Water Solubility: Approximately 1% or less
Sp. Gravity (Water = 1.0): Greater than 1.0; Approximately 1.3 - 1.4

4. FIRE AND EXPLOSION HAZARD DATA

Min. Explosion Conc.: 38mg/liter as dust. Dust explosions are possible
Flash Point: Greater than 150 deg. C. (Asti E502-74)
Fire Fighting: Use standard fire fighting procedures
Extinguishing Media: Foam, carbon dioxide, dry chemical, or waterdog. Do not use a direct stream if dust is formed. Dust dispersed by a direct stream in the presence of an ignition source could explode.

5. HEALTH HAZARD DATA

Threshold Limit Value: None established
Permissible Exposure Limits: 15mg/m³ total; 5MG/M³ respirable.
Health Effects: OSHA pel sets limits for particulates not otherwise regulated (N.O.R.). ACHIH recommends that particulate dusts be treated as nuisance dusts when there is no established TLV and recommends a TLV of 10 mg/m³ of total dust. Persons with respiratory allergenic and hypersensitive persons may experience allergenic respiratory reactions and/or skin irritations from prolonged exposure. Material may irritate eyes upon contact. Persons demonstrating respiratory effects such as coughing or airway irritation should be removed from exposure and medical attention sought if needed. Smokers have an increased risk to respiratory effects from excessive dust exposure.
Hygienic Practice: Remove from skin by ashing with soap and water. Use approved dust respirator if exposed to excessive dust concentration.

6. REACTIVITY DATA

Stable. No known reactivity problems.

7. SPILL OR LEAK PROCEDURES

Sweep or vacuum to clean up spills. Do not use any procedure which causes dispersion of dust into the air if any possibility of ignition exists. Dispose of materials in covered containers. Follow federal, state and local regulations for waste disposal.

8. SPECIAL PROTECTION INFORMATION

Use NIOSH approved dust respirator if dust is developed during material handling or use. Local or general ventilation may be necessary to minimize dust.

Allergic and hypersensitive persons should wash contacted areas with soap and water after handling.

9. PRECAUTIONS FOR SAFE HANDLING AND USE

Avoid dispersions of material into the air to minimize explosion and health hazards.

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PART 2**1. PRODUCT INFORMATION**

Trade Name: BRUNSWICK SHUFFLEBOARD WAX
 Common Name: Polystyrene - crystalline beads
 Chemical Composition: Grades A19, B19, C19F19, O19, ES24, O24, T24, T24
 Manufacturer/Supplier:

Product Use: Shuffleboard Powder

2. HAZARDS IDENTIFICATION

Classification: Not classified
 Physical/chemical hazards: Possibility of explosion exists under dusty conditions
 Human health hazards: Contact with hot material causes thermal skin burns

3. PHYSICAL DATA

	CAS	%	EC Number	Classification
	number			
Polystyrene	9003-53-6	100		

4. FIRST AID MEASURES

Inhalation: Move exposed person to fresh air. Keep person warm and at rest if not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a coat, tie, belt or waistband.

Ingestion:	Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eye Contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Protection of First Aiders:	No action shall be taken involving any personal risk or without suitable training.
Notes to physician:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE-FIGHTING MEASURES

Extinguishing Media, Suitable:	In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Not Suitable:	Do not use water jet.
Special exposure:	Fine dust clouds may form explosive mixtures with air. Take precautionary measures against electrostatic discharges. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous Combustion Products:	Decomposition products may include carbon oxides.
Special Protective Equipment for Fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Remark:	Containers should be grounded. Yields flammable vapors on heating above melting point.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective
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Environmental Precautions:	equipment (see section 8). Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soils or air).
Large Spill:	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.
Small Spill:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Handling:	Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, smoking and drinking. Do Not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container, Grouped all equipment containing material. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Never stack pallets more than two high to prevent the risk of them falling over.
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Packing Materials

Recommended:	Use original container.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values

*Ingredient Name	Occupational Exposure Limits
No exposure limit value known.	

Recommended Monitoring

Procedures:	If this product contains ingredients with exposure limits, personal, work-place atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for
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methods for the determination of hazardous substances.

Exposure Controls

Occupational Exposure

Controls:

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product obtains ingredients with exposure limits, use process enclosures, local exhaust ventilation requirements. Good general ventilation should be sufficient to control worker to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene Measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory Protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respiration selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Recommended: Dust-protection mask P2 Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand Protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. If a risk assessment indicates this is necessary.

Eye Protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: safety glasses with side-shields

Skin Protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Recommended: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When handling hot material, wear heat resistant protective gloves, clothing and face shield that are able to withstand the temperature of the molten product.

Environmental Exposure Controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modification to the process equipment will necessary to reduce emissions to acceptable levels.

Internal OEL

Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid [Granular solid.]
Color:	Colorless.
Odor:	Odorless.
Melting Point:	>130 °C (260°F)
Flash Point:	Closed cup:>260°C (>500°F)
Explosive Properties:	Containers should be grounded. Yields flammable vapors on heating above melting point.
Relative Density:	1.05
Solubility:	Insoluble in the following materials: cold water and hot water.
Auto-ignition temperature:	>425°C (>797°F)

10. STABILITY AND REACTIVITY

Stability:	The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to Avoid:	No specific data.
Materials to Avoid:	No specific data.
Hazardous Decomposition	
Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Potential acute health effects: No known significant effects or critical hazards.

Potential chronic health effects:

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Environmental effects: No known significant or critical hazards.

Other adverse effects: No known significant or critical hazards.

13. DISPOSAL CONSIDERATIONS

Methods of Disposal: Waste must be disposed of according to applicable regulations.

14. TRANSPORTATION INFORMATION

Not Regulated.

15. REGULATORY INFORMATION

EU Regulations:

Classifications and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Risk Phrases This product is not classified according to EU legislation.

Disclaimer of Liability: The information contained in the Safety Data Sheet is at the date of its issuance to the best of our knowledge correct according to data available to us. The information is meant as a guideline for safe use, handling, disposal, storage and transport of products and does not imply any warranty (not implied or explicitly) or specification. The Supplier shall to the extent permitted by law not be liable for any error or incorrectness in the information contained in this Safety Data Sheet. The information relates exclusively to the specified products, which may not be suitable for combination with other materials or use in processes other than those specifically described here.