

# MATERIAL SAFETY DATA SHEET

## WALNUT SHELLS

### 1. Product and Company Identification

<b>Material name</b>	<b>WALNUT SHELLS</b>
<b>Chemical name</b>	Ground Cellulosic Material
<b>Chemical description</b>	Ground Walnut Shells
<b>Applications</b>	Lost Circulation Material
<b>Supplier</b>	<b>Saffire Blue, Inc.</b> 1444 Bell Mill Road Tillsonburg, ON N4G 4G9 Canada

### 2. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

### 3. Hazards Identification

<b>Emergency overview</b>	Exposure to powder or dusts may be irritating to eyes, nose and throat.
<b>Potential health effects</b>	
<b>Eyes</b>	Dust or powder may irritate eye tissue.
<b>Skin</b>	Dust or powder may irritate the skin.
<b>Inhalation</b>	Inhalation of dusts may cause respiratory irritation.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.

### 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
<b>Skin contact</b>	Wash off skin with soap and water. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Ingestion</b>	Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, seek medical attention.
<b>General advice</b>	Call a physician if symptoms develop or persist.

### 5. Fire Fighting Measures

<b>Flammable properties</b>	High concentration of airborne dust may form explosive mixture with air. Will burn if involved in a fire.
<b>Hazardous combustion products</b>	None known.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , or water spray.
<b>Protection of firefighters</b>	
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.

### 6. Accidental Release Measures

<b>Personal precautions</b>	Do not touch or walk through spilled material. Avoid inhalation of dust from the spilled material.
<b>Evacuation procedures</b>	Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate surface water.
<b>Methods for containment</b>	Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Vacuum or sweep up material and place in a disposal container. Avoid dust formation.

## 7. Handling and Storage

<b>Handling</b>	Do not get this material in your eyes, on your skin, or on your clothing. Avoid dust formation. Wash hands after handling and before eating.
<b>Storage</b>	Keep tightly closed in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat, sparks, and flame.

## 8. Exposure Controls / Personal Protection

<b>Exposure guidelines</b>	Nuisance Particulates: OSHA PEL 15 mg/m <sup>3</sup> (total dust) - 8-hr. TWA 5 mg/m <sup>3</sup> (respirable dust) - 8-hr. TWA ACGIH TLV 10 mg/m <sup>3</sup> (inhalable) 8-hr TWA 3 mg/m <sup>3</sup> (respirable) 8-hr TWA
<b>Engineering controls</b>	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear dust goggles.
<b>Hand protection</b>	Protective gloves.
<b>Skin protection</b>	Use of protective coveralls and long sleeves is recommended. Use of impervious boots is recommended.
<b>Respiratory protection</b>	Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

<b>Appearance / Color / Form</b>	Powder. Tan. Solid.
<b>Odor</b>	Odourless.
<b>Clarity</b>	Not available
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Solid
<b>pH</b>	Not available
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Flash point</b>	380 °F (193.3 °C)
<b>Evaporation rate</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	Not available
<b>Relative density</b>	1.5 g/cc
<b>Solubility</b>	Insoluble in water.
<b>Octanol/H<sub>2</sub>O coeff</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available

## 10. Chemical Stability and Reativity Information

<b>Conditions to avoid</b>	Heat, flames and sparks. Dust may form explosive mixture in air.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	None known.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

Not available

## 12. Ecological Information

Not available

## 13. Disposal Considerations

**Disposal instructions** Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. Regulatory Information

### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical** No

**CERCLA (Superfund) reportable quantity** None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (CCS)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Japanese Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Korean Inventory of Chemicals (KICS)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

**HMIS® ratings** Health: 1  
Flammability: 0  
Physical hazard: 0  
Personal protection: C

**NFPA ratings** Health: 1  
Flammability: 0  
Instability: 0

**Disclaimer**

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