



# Safety Data Sheet

Issue Date: 01-May-2013

Revision Date: 25-Mar-2019

Version 3

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Walnut Shell Grit & Flour

### Other means of identification

**SDS #** SPI-002-OSHA

### Synonyms

Ground Walnut Shell (All grades - Coarse, Medium and Fine)  
Shelblast  
Glufil (WF-7, WF-5 and WF-2)  
Gulfil AW.

### Recommended use of the chemical and restrictions on use

**Recommended Use** For industrial use.

### Uses Advised Against

Walnut Shell, a tree nut product, may contain walnut proteins that have been known to cause allergic reaction. Individuals with known or suspected allergies to walnuts or tree nuts should be made aware of product contents prior to use, exposure, contact, and/or inhalation.

### Details of the supplier of the safety data sheet

#### Supplier Address

Composition Materials Co., Inc.  
249 Pepes Farm Road  
Milford, CT 06460

#### Emergency Telephone Number

**Company Phone Number** 1-203-874-6500  
**Emergency Telephone (24 hr)** 1-352-323-3500

## 2. HAZARDS IDENTIFICATION

**Appearance** Grit: Light brown granules  
Flour: Light brown powder

**Physical State** Solid

**Odor** No odor

### Classification

Combustible Dust

### Signal Word

Warning

### Hazard Statements

May form combustible dust concentrations in air

**Unknown Acute Toxicity**

100% of the mixture consists of ingredient(s) of unknown toxicity

**Other Hazards**

Direct contact with eyes may cause temporary irritation.

Walnut Shell, a tree nut product, may contain walnut proteins that have been known to cause allergic reaction.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** Ground Walnut Shell (All grades - Coarse, Medium and Fine)  
Shelblast  
Glufil (WF-7, WF-5 and WF-2)  
Gulfil AW.

Chemical Name	CAS No	Weight-%
Natural Walnut Shell	84012-43-1	100

### 4. FIRST-AID MEASURES

**First Aid Measures**

**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids.

**Skin Contact** Wash with soap and water.

**Inhalation** Remove to fresh air. Seek medical attention if irritation persists.

**Ingestion** None under normal use conditions.

**Most important symptoms and effects**

**Symptoms** Direct contact with eyes or skin may cause temporary irritation. Inhalation of dust may cause mechanical irritation to the respiratory tract. Walnut Shell, a tree nut product, may contain walnut proteins that have been known to cause allergic reaction.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**Specific Treatment** In case of accident or if you feel unwell, seek immediate medical attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

If improperly handled, stored, and/or exposed to an ignition source, this material may burn. Dust can form an explosive mixture with air.

**Hazardous Combustion Products** None.

**Sensitivity to Static Discharge** AVOID GENERATING DUST. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
<b>Environmental Precautions</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Sweep up and shovel into suitable containers for disposal. Spilled material can be a slipping hazard. Avoid generating dust. Eliminate flames, sparks, excessive temperatures and oxidizing agents. Use only non-sparking tools.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Use only in well-ventilated areas. Avoid generation of dust. Ensure that dust does not accumulate on surfaces.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store away from heat, sparks, flame.
<b>Incompatible Materials</b>	Oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b><u>Exposure Guidelines</u></b>	US OSHA PEL (TWA) (mg/m <sup>3</sup> ): 5 mg/m <sup>3</sup> Respirable Fraction, 10 mg/m <sup>3</sup> Total Dust US ACGIH (TWA) (mg/m <sup>3</sup> ): 5 mg/m <sup>3</sup> Respirable Fraction, 15 mg/m <sup>3</sup> Total Dust
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**Appropriate engineering controls**

<b>Engineering Controls</b>	Provide local ventilation if dust is generated. Explosion-proof general and local exhaust ventilation. Use explosion proof electrical equipment for very high dust levels. Ensure ventilation and dust-handling systems prevent the escape of dust into work areas and there is no leakage from equipment.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Safety glasses. Goggles. Face protection shield.
<b>Skin and Body Protection</b>	No special technical protective measures are necessary.
<b>Respiratory Protection</b>	Nuisance dust mask 3M type 8710 or equivalent.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Solid		
<b>Appearance</b>	Grit: Light brown granules Flour: Light brown powder	<b>Odor</b>	No odor
<b>Color</b>	Light brown	<b>Odor Threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	4-5	
<b>Melting Point/Freezing Point</b>	Not applicable	
<b>Boiling Point/Boiling Range</b>	Not applicable	
<b>Flash Point</b>	193 °C / 380 °F	
<b>Evaporation Rate</b>	Not applicable	
<b>Flammability (Solid, Gas)</b>	Not determined	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not applicable	
<b>Vapor Density</b>	Not applicable	
<b>Specific Gravity</b>	1.2-1.35	(1=Water)
<b>Water Solubility</b>	Not applicable	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	243 °C / 470 °F	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Dust can form an explosive mixture with air	
<b>Oxidizing Properties</b>	Not determined	

**10. STABILITY AND REACTIVITY**

**Reactivity**  
Not reactive under normal conditions.

**Chemical Stability**  
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**  
None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

**Conditions to Avoid**  
Excessive heat. Ignition sources.

**Incompatible Materials**  
Oxidizing agents.

**Hazardous Decomposition Products**  
None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Not normally considered a hazard.
<b>Inhalation</b>	Avoid inhalation of dust.
<b>Ingestion</b>	Not an expected route of exposure.

**Component Information** Not available

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical measures of toxicity

**Unknown Acute Toxicity** 100% of the mixture consists of ingredient(s) of unknown toxicity.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

**Component Information** Not available

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Not determined

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Natural Walnut Shell		X		Present			X			X

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations**

**SARA 313**

Not determined

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Not determined

**16. OTHER INFORMATION**

**Additional Product Information** Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

<b><u>NFPA</u></b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Physical Hazards</b> Not determined	<b>Personal Protection</b> Not determined

**Issue Date:** 01-May-2013  
**Revision Date:** 25-Mar-2019  
**Revision Note:** Updated exposure values

**Disclaimer**  
 The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**