



Safety Data Sheet

Issue Date: 01-May-2013

Revision Date: 25-Mar-2019

Version 3

1. IDENTIFICATION

Product Identifier

Product Name Black Walnut Shell Grit & Flour.

Other means of identification

SDS # SPI-002-OSHA

Synonyms Ground Black Walnut Shell (All grades - Coarse, Medium and Fine)

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

Personal Precautions	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Environmental Precautions	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

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	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

Advice on Safe Handling	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

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Engineering Controls	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

Eye/Face Protection	Safety glasses. Goggles. Face protection shield.
Skin and Body Protection	No special technical protective measures are necessary.
Respiratory Protection	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

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

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

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

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<u>DOT</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	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.

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

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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