



Safety Data Sheet

Issue Date: 01-May-2013

Revision Date: 12-Dec-2023

Version 5

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)
Black Walnut Shell (juglans nigra)

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.
Black Walnut Shell (juglans nigra)

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
Property	Values	Remarks • Method	
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

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

