



Safety Data Sheet

Walnut Shell, Grit and Flour

SECTION 1. IDENTIFICATION

Product Identifier Walnut Shell, Grit and Flour
Other Means of Identification Ground Walnut Shell (All grades – Coarse, Medium, and Fine)
Recommended Use For industrial use.
Restrictions on Use n/a
Initial Supplier Identifier Integrity Chemical Solutions Inc.
Emergency Telephone Number 403.988.7695

SECTION 2. HAZARD IDENTIFICATION

Classification Not classified as hazardous goods
Label Elements None required
Other Hazards None identified

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Natural Walnut Shell	84012-43-1	100%	Nut Shell, Ground walnut shell	Ground Walnut Shell (All grades – Coarse, Medium, and Fine)

Notes

SECTION 4. FIRST-AID MEASURES

Inhalation Remove to fresh air. Seek medical attention if irritation persists.
Skin Contact Wash with soap and water.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion None under normal use conditions.
Most Important Symptoms and Effects, Acute and Delayed May cause mechanical eye irritation. Inhalation of dust may cause mechanical irritation to the respiratory tract.
Immediate Medical Attention and Special Treatment **Note to Physicians:** Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media Suitable	Water.
Extinguishing Media Unsuitable	Not determined.
Extinguishing Media Specific Hazards Arising from the Product	If improperly handled, stored, and/or exposed to an ignition source, this material may burn.
Special Protective Equipment and Precautions for Fire-Fighters	Hazardous combustion products: None. Wear self container breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in the immediate area) For emergency responders: Use personal protection recommended in section 8.
Methods for Containment and Cleaning Up	Prevent further leakage or spillage if safe to do so. Sweep up and shovel into appropriate containers for disposal. Spilled material can be a slipping hazard. See Section 13, Disposal Considerations for further information.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with eyes. Use only in a well ventilated area. Avoid generation of dust. Handle in accordance with good industrial hygiene and safety practice.
Conditions for Safe Storage	Keep containers closed in a dry, cool and well ventilated place. Keep in properly labeled containers. Store away from heat, sparks and flames.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL

Notes This Product as supplied does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls Provide local ventilation if dust is generated.

Individual Protection Measures

Eye/Face Protection Safety glasses. Goggles. Face protection shield.

Hand Protection	Gloves are not required for normal use.
Skin Protection	No special measures are necessary under normal conditions of use.
Respiratory Protection	Provide adequate ventilation

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Appearance	Grit: Light brown granules Flour: Light
Odour	Low to no odour
Odour Threshold	Not determined
pH	4-5
Colour	Light brown
Melting Point and Freezing Point	Not applicable
Initial Boiling Point and Boiling Range	Not applicable
Flash Point	193 °C / 380 °F
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not determined
Upper and Lower Flammability or Explosive Limit	Not determined
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	1.2-1.35
Solubility in Water	Not applicable
Solubility in Other Liquids	Not applicable
Partition Coefficient, n-Octanol / Water (Log Kow)	Not determined
Auto-ignition Temperature	243 °C / 470 °F
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions
Chemical Stability	Stable under normal conditions

Hazardous Polymerization Hazardous polymerization does not occur.
Possibility of Hazardous Reactions None under normal processing
Conditions to Avoid Excessive heat. Ignition sources.
Incompatible Materials None known based on information supplied.
Hazardous Decomposition Products None under normal use conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation Skin contact Eye contact Ingestion

Acute Toxicity

LC50
 LD50 (oral)
 LD50 (dermal)

Notes This product does not present an acute toxicity hazard based on known or supplied information.

Skin Corrosion / Irritation None determined
Serious Eye Damage / Irritation None determined
STOT (Specific Target Organ Toxicity) - Single Exposure None determined
Aspiration Hazard None determined
STOT (Specific Target Organ Toxicity) - Repeated Exposure None determined
Respiratory and/or Skin Sensitization None determined

Carcinogenicity

Chemical Name	IARC	ACGIH®	OSHA
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Notes

Reproductive Toxicity

Development of Offspring None determined
Sexual Function and Fertility None determined
Effects on or via Lactation None determined
Germ Cell Mutagenicity None determined
Interactive Effects None determined

SECTION 12. ECOLOGICAL INFORMATION *(section heading must appear; all content is optional)*

Ecotoxicity An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and Degradability Not determined
Bioaccumulative Potential Not determined
Mobility in Soil Not determined
Other Adverse Effects Not determined

SECTION 13. DISPOSAL CONSIDERATIONS *(section heading must appear; all content is optional)*

Disposal Methods Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14. TRANSPORT INFORMATION *(section heading must appear; all content is optional)*

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
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Special Precautions Environmental Hazards Transportation of this material is not regulated.
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15. REGULATORY INFORMATION *(section heading must appear; all content is optional)*

Safety, Health and Environmental Regulations No chemical safety assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

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