INTEGRITY CHEMICAL SOLUTIONS INC.

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 Extinguishing Media	Water.
Unsuitable Extinguishing Media	Not determined.
Specific Hazards Arising from the Product	If improperly handled, stored, and/or exposed to an ignition source, this material may burn. **Hazardous combustion products:** None.
Special Protective Equipment and Precautions for Fire-Fighters	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

x Inhalation **x** Skin contact **x** Eye contact **x** 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

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

Special Precautions	Transportation of this material is not regulated.
Environmental Hazards	
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

Date of Latest Revision	October 20, 2017

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