



Material Safety Data Sheet

May be used to comply with OSHA'S Hazard Communication Standard, 29CFR1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Admin.
(Non-Mandatory Form)

Section I

IDENTITY: (As used on label and list) **WALNUT SHELL**

McKinley Resources, Inc.

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Section II – Hazardous Ingredients/Identity Information

The chemicals listed under section II of the MSDS for this product is not reportable under SARA 313. If the product is reportable under this regulation, it will be noted in section II.

Section III

Boiling Point	N/A	Specific Gravity (H2O-1)	1.2
Vapor Pressure (MM Hg)	N/A	Melting Point	N/A
Vapor Density (Air – 1)	N/A	Evaporation	N/A

Solubility in water:	Not water soluble
Odor and appearance:	No odor – Light brown in color
Flash Point:	380°F
Flammable limits:	470°F
Media used in extinguishing:	Water
Special fire fighting procedure:	None
Fire and Explosion Hazards:	

If improperly handled, stored and/or exposed to and ignition source, this material may burn. High concentrations of dust in air can explode if sufficient temperature and ignition source occurs. Proper grounding of equipment is necessary to eliminate static electricity.

Section IV – Health Hazard Data

No Acute Hazards Known



English WALNUT SHELL

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Section V – Reactivity Data

Stability:	Stable
Incompatibility (Materials to avoid)	None
Hazardous Polymerization:	None

Section VI – Health Hazards (Acute and Chronic)

None Known

Section VII – Precautions for safe handling and use

Steps to be taken if material is released or spilled: Sweep, Shovel up, or Vacuum

Waste Disposal Methods: No special requirements

Precautions to be taken in handling and storing: None

Other Precautions: None

Section VIII – Control Measures

Ventilation: Local Exhaust Nuisance Dust Levels

Protective clothing, gloves, or equipment: Not required

Eye Protection: Not required – Safety goggles recommended



English WALNUT SHELL

Properties

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Ground English Walnut Shell

PROPERTIES:

Dual Screen Aggregates have the following characteristics

SPECIFIC GRAVITY	1.2 – 1.5
pH VALUE AT 25°C (IN WATER)	4-6
FREE MOISTURE (80°C FOR 15HRS)	3-9%
FLASH POINT (CLOSED CUP)	380°
HARDNESS -VICKERS NO	25-30
MOHS SCALE	3-4
DRY PACKING DENSITY (LBS PER CU. FT.)	30-50

MOE – MODULUS ELASTICITY
22,900

MILITARY SPECIFICATION: MIL-G-5634, TYPE VI

CHEMICAL ANALYSIS

Nitrogen	0.10
Cellulose	40/60
Lignin	20/30
Toluene Solubility	0.5/1.0
Methoxyl	6.5
Chlorine	0.10
Ash	1.5
Cutin	1.0

(9/08/08)