

Material Safety Data Sheet**U.S. Department of Labor**

May be used to comply with OSHA'S Hazard
Communication Standard, 29CFR1910.1200.
Standard must be consulted for specific requirements.
In accordance with 91/155/EEC

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

Section 1 - Identification

(As used on label and list)

Manufacturer's Name:

WALNUT SHELL

Eco-Shell, Inc.

Emergency Telephone Number:

(530) 824-8794 or (530) 529-1585

Address:

5230 Grange Road, Corning, CA96021

Telephone for Information:

(530) 824-8794

Section 2 – Hazardous Ingredients/Identity Information

The material is 100% natural processed walnut shell. There are no known hazardous ingredients to identify.

Section 3 – Hazard Identification

Boiling Point	N/A	Specific Gravity (H20-1)	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 firefighting 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.

Skin: May cause skin irritation

Eye: May cause eye irritation

Section 4 – First Aid Measures

Skin: Should contact with skin create discomfort, wash skin with soap and water. Should irritation continue consult your physician.

Eye: Should contact with eye occur, rinse eye thoroughly with water. Avoid rubbing eye. Walnut shell will scratch the eye if rubbed.

HMIS – Health – 0 – No Significant risk to health

Section 5 – Fire Fighting Measures

Extinguishing Media – Water

No special risks involved

Section 6 – Accidental Release Measures

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

Waste Disposal Methods: No special requirements

Section 7 – Handling and Storage

Precautions to be taken in handling and storing: Best if stored in dry conditions. Store away from sources of ignition. Other Precautions: None

Section 8 – Exposure Controls / Personal Protection

Ventilation: Local Exhaust Nuisance Dust Levels
Protective clothing, gloves, or equipment: Not required
Eye Protection: Not required – Safety goggles recommended

Section 9 – Physical and Chemical Properties

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
HMIS	1
pH value at 25°C (in water)	4-6
Free Moisture (80°C FOR 15HRS)	3-9%
Hardness – Vickers No.	25-30
MOHS SCALE	3-4
Elastic Modulus (MOE)	22,900 (9/7/06 test)
Dry Packing Density (LBS PER CU. FT.)	30-50

Section 10 – Stability and Reactivity

Stability: Stable
Incompatibility (Materials to avoid) None
Hazardous Polymerization: None
HMIS - 0

Section 11 – Toxicological Information

Skin contact may cause rash.

Walnut Shell may contain trace amounts of walnut proteins that have been known to cause allergic reaction

Section 12 – Ecological Information

Biological Degradability: very slow if exposed to moisture and other organic materials.

No known acute toxicity in water, waste water, or soil

Section 13 – Disposal Considerations

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

Waste Disposal Methods: No special requirements

Section 14 – Transport Information

No known restrictions

Section 15 – Regulatory Information

No known regulations specific to walnut shell

Section 16 – Other Information

Walnut shells are a natural renewable resource. There are no known hazardous ingredients to identify.

Hazardous Materials Identification System (HMIS)

Health – 0

Flammability – 1

Reactivity (Physical Hazard) – 0

Personal Protection: safety glasses and dust respirator recommended