



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 1 - PRODUCT IDENTIFICATION & USE:

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

MANUFACTURER AND SUPPLIER:

Manufacturer's Name: Eco-Shell, Inc.
Emergency Telephone Number: (530) 824-8794 or (530) 529-1585
Address: 5230 Grange Road, Corning, CA 96021
Telephone for Information: (530) 824-8794

Opta Minerals
407 Parkside Drive
Waterdown, Ontario
L0R2H0
Tel: 905-689-6661
Emergency: 905-689-6661, Ext: 222

SECTION 2 - HAZARDOUS INGREDIENTS

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 3 - PHYSICAL DATA

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

SECTION 4 - FIRE AND EXPLOSION DATA

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.

SECTION 5 - REACTIVITY DATA

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

SECTION 6 - TOXICOLOGICAL PROPERTIES

None Known

SECTION 7 - PREVENTATIVE MEASURES

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 8 - CONTROL MEASURES

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

Ground English Walnut Shell

PROPERTIES:

Dual Screen Aggregates have the following characteristics

SPECIFIC GRAVITY	1.2 – 1.4
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.)	22-74

GSA Specification:	AA-1722	Type 2
Military Specification:	MIL-G-5634	Type 3

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

SECTION 9 - PREPARATION DATE OF MSDS:

The MSDS was prepared from information provided by raw material suppliers to Opta Minerals.

DATE ISSUED: June 16, 2005
CONTACT: Operations Supervisor
Quality Control Coordinator

For non-emergency questions, please contact your sales person.
General inquiries may be directed to 905-689-6661.