



MPL Products
26 Baddesley Way
Canning Vale, Western Australia
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MATERIAL SAFETY DATA SHEET WALNUT SHELL POWDER(NUT PLUG)

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER : MPL Products
26 Baddesley Way, Canning Vale
Western Australia, 6155
Australia
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PRODUCT NAME : WALL NUT FINE, MEDIUM, COARSE
PRODUCT USE AS : Lost Circulation Material
SYNONYMS : WALNUT

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

The product is crushed walnut shells and is not classified as hazardous.

Chemical Name	CAS Number	% by Weight
Natural Walnut Shell	84012-43-1	100%

SECTION 3 - HAZARDS IDENTIFICATION

Main Hazards : May be an irritant.

Eyes : Dust particles may be an irritant
Skin : Dust particles may be an irritant
Inhalation : Dust particles may be an irritant
Ingestion : Dust particles may be an irritant

SECTION 4 - FIRST AID MEASURES

Eyes : Flush eyes with saline fluid or clean water, removing contact lenses and lifting upper and lower eyelids to ensure thorough cleansing. Get medical attention if irritation persists or develops.

Skin : Wash affected area thoroughly with non-abrasive soap and water. Get medical attention if irritation persists.

Inhalation : Remove casualty to fresh air. Give artificial respiration if casualty is not breathing, or give oxygen if breathing is difficult. Get medical attention if irritation persists.

Ingestion : Rinse mouth out with clean water and give casualty water to drink at a comfortable rate in order to aid digestion, but only if fully conscious. Get medical attention if irritation persists or if symptoms develop.

Additional Comments: A copy of this MSDS should be given to the person providing medical attention.
Treat casualty according to symptoms and monitor closely until fully recovered.



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SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Fire can be extinguished using Foam, Water spray or fog

SPECIAL FIRE FIGHTING PROCEDURES: Alert Fire Brigade and inform the location and nature of hazard. Wear breathing apparatus plus protective gloves for fire only.

FIRE & EXPLOSION HAZARDS:

- Solid which exhibits difficult combustion or is difficult to ignite.
- Avoid generating dust, particularly clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with air, and any source of ignition, i.e. flame or spark, will cause fire or explosion. Dust clouds generated by the fine grinding of the solid are a particular hazard; accumulations of fine dust may burn rapidly and fiercely if ignited.

FIRE INCOMPATIBILITY:

Avoid contamination with strong oxidising agents as ignition may result.

PERSONAL PROTECTION:

Glasses (Chemical goggles), Gloves and Respirator

SECTION 6 - ACCIDENTAL RELEASE MEASURES

MINOR SPILLS:

- Remove all ignition sources.
- Clean up all spills immediately.

MAJOR SPILLS:

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard.

SECTION 7 - HANDLING AND STORAGE

Handling	Wear standard personal protective equipment and ensure area is well-ventilated. Avoid creating and inhaling dust particles.
Storage	Store in a dry location and ensure that packaging is maintained in accordance with good warehousing practices.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls	Use in a well-ventilated area and minimize airborne dust. An eye-wash station and safety shower should be located in the mixing and storage areas.
Eye and Face Protection	Standard safety glasses are usually adequate. Wear safety goggles if airborne dust particles are a nuisance.
Hand Protection	Standard work gloves are usually adequate. Wear chemical resistant gloves if skin is sensitive to the product.



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Body Protection	Standard coveralls are usually adequate for minimizing contact with skin.
Respiratory Protection	A standard dust mask is usually adequate. Wear an approved respirator fitted with a dust filter if dust is a nuisance.
Additional Comments	Long-term inhalation of dust particles of any material can cause chronic lung problems and diseases.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES

Does not mix with water.

Sinks in water.

Molecular Weight: Not applicable

Melting Range (°C): Not available

Solubility in water (g/L): Immiscible

pH (1% solution): Not applicable

Volatile Component (%vol): Not applicable

Relative Vapour Density (air=1): Not available

Lower Explosive Limit (%): 0.07 oz/ft³.

Autoignition Temp (°C): 283

State: Divided solid

Boiling Range (°C): Not applicable

Specific Gravity (water=1): 1.1

pH (as supplied): Not applicable

Vapour Pressure (kPa): Not applicable

Evaporation Rate: Not applicable

Flash Point (°C): Not applicable

Upper Explosive Limit (%): Not available

Decomposition Temp (°C): Not available

Viscosity: Not available

APPEARANCE

Light brown powder with a characteristic odour; insoluble in water.

SECTION 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

Chemical Stability	Stable
Conditions to Avoid	None
Chemicals to Avoid	None
Hazardous Decomposition	Carbon Monoxide and Carbon Dioxide
Hazardous Polymerization	Not applicable

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity	Material is not classified as toxic, but long-term exposure may cause lung Damage and an increased risk of lung cancer, due to the presence of crystalline silica quartz.
Acute Toxicity Data	LD50 Oral (Rat) 6,450 mg/kg
Carcinogenicity	The product may contain small amounts of crystalline silica, which is associated with elevated rates of lung cancer following long-term inhalation of dust particles, according to the following bodies: IARC (International Agency for Research on Cancer) NTP (National Toxicology Program) OSHA (Occupational Safety and Health Administration)
Reproductive Effects	Not known to have reproductive effects on humans.
Additional Comments	The product may contain small amounts of crystalline silica and long-term inhalation can cause silicosis, a chronic lung disease with symptoms



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SECTION 12 - ECOLOGICAL INFORMATION

No data for WALNUT

SECTION 13 - DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of waste material in accordance with regional procedures and regulations.
Packaging Disposal	Disposal of empty packaging should be in accordance with regional procedures and regulations.

SECTION 14 - TRANSPORTATION INFORMATION

The material is not classed as a hazardous material by leading international transportation regulatory bodies for road, rail, sea and air (US DOT, ARD/RID, IMDG, IATA, etc.) and is therefore not subject to international regulations and restrictions concerning the transportation of dangerous goods.

SECTION 15 - REGULATORY INFORMATION

Labelling Information	The Hazard and Precautionary Statements below follow European labelling in accordance with EC Directives.
Hazard Statements	May cause respiratory irritation (H335)
Precautionary Statements	Avoid breathing dust (P261)

SECTION 16 - OTHER INFORMATION

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy; reliability; or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

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Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.