

## Safety Data Sheet Walnut Shell

*Trade Name:* Walnut Shell  
*Grades:* Grades 1 - 6  
*Original Issue Date:* February 2011 (by Mac'Ants)  
*This Issue:* November 2022

### SECTION 1:

#### Identification of the substance/mixture and of the company/undertaking

1.1 **Product Identifier:** Walnut Shell Granules  
**Product Description:** Crushed and gradedwalnut shells  
**Chemical Family:** Ligno-cellulose  
**EC No:** N/A  
**CAS:** N/A

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use: Soft light blast cleaning abrasive

#### 1.3 Details of supplier of the safety data sheet

Hodge Clemco Ltd, Orgreave Drive, Sheffield S13 9NR, U.K.

Email address of person: [sales@hodgeclemco.co.uk](mailto:sales@hodgeclemco.co.uk)

Emergency telephone number of the supplier

Telephone number: +44(0)114 254 8811  
Hours of operation: Mon – Fri 08.30 – 1700

## SECTION 2: Hazards Identification

### 2.1 Classification of substance or mixture

Classification according to Regulation(EC) No. 1272/2008 (which replaces Directive 67/548/EC(DSD))

Classification: Not classified. Walnut shell does not meet the criteria for classification in accordance with the regulations EC1272/2008. No special conditions are therefore needed. Risk management measures due to the potential occurrence of hazardous dusts during use as an abrasive may be needed.

### 2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008 (which replaces Directive 67/548/EC(DSD))

None

### 2.3 Other hazards

The substance does not meet the criteria for a PBT or vPvB substance  
Use of this material may generate dust so risk management measures may be needed

## SECTION 3: Composition/information on ingredients

Product Ref	Chemical Description
WSG	Organic granules of vegetable origin from natural walnut shell

## SECTION 4: First Aid Measures

### 4.1 Description of First Aid Measures

*Eyes:* Immediately flush eyes thoroughly with water. Remove contact lenses where appropriate. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician immediately.

*Skin:* Wash skin with cool water and pH-neutral soap or a mild detergent.

*Inhalation of Airborne Dust:* Remove to fresh air. Seek medical help if coughing or other symptoms do not subside.

*Ingestion:* Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

### 4.2 Indication of any immediate medical attention and special treatment needed.

Notes for the doctor. Treat symptomatically.

## **SECTION 5: Fire Fighting Measures**

### **5.1 Extinguishing media**

Any available.

### **5.2 Special hazards arising from the substance or mixture**

Refer to ignition/melt point reference at section 9.

### **5.3 Advice for fire-fighters**

Wear self-contained breathing apparatus and protective clothing, and be aware of other combustible substances involved in any fire.

## **SECTION 6: Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Avoid breathing dust. Use appropriate personal protective equipment.

### **6.2 Environmental precautions**

Make sure spills can be contained. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### **6.3 Methods and material for containment and clean-up**

Ventilate the area thoroughly. Vacuum or sweep up material and place in a suitable container for re-cycling or disposal. Allow to dry before disposal.

### **6.4 References to other sections**

Section 1 for emergency contact information  
Section 8 for information on personal protective equipment  
Section 13 for Waste Disposal

## **SECTION 7: Handling and Storage**

### **7.1 Precautions for safe handling**

Walnut shell is not classified and no protective measures are needed for safe handling. Keep dry until used. Prevent formation of dust. Use only in well ventilated areas. Wear personal

protective clothing. Wash hands and face before breaks and after work, especially after exposure to wet GBFS and dust.

## 7.2 Conditions for safe storage including any incompatibilities

Keep dry. No other special requirements.

## 7.3 Specific end uses

Abrasive blast cleaning may fracture the product and generate dust. Ventilate work area in vicinity of operator

# SECTION 8: Exposure Controls/Personal Protection

## 8.1 Engineering measures

In a blast cabinet with a dust collector or a closed-circuit blasting system. If a blast room is used it must be fitted with a dust collector to keep dust levels below the OEL.

**Occupational Exposure Limits:** All dusts have been assigned exposure limits. The following information has been taken from Guidance Note E.H.40/2005 from the Health and Safety Executive (Workplace Exposure Limits) Long term exposure limits (8 hours T.W.A. Reference Period ) Total Inhalable Dust - 10 mg/m<sup>3</sup> Respirable Dust – 4mg/m<sup>3</sup>

Short term exposure limits – Not applicable

## 8.2 Personal Protective Equipment

*Skin Protection:* Prolonged contact with the skin should be avoided and protective clothing such as overalls and PVC or cotton-chrome gloves should always be available. Dust masks should be worn by ancillary workers.

*Respiratory and eye protection:* In blasting environments, if a blast room is used, an air-fed blasting helmet to EN146 must be used.

*Ventilation:* Use local exhaust or general dilution ventilation to control exposure within applicable limits.

# SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

<i>Appearance:</i>	Medium sizes granules
<i>Colour;</i>	Brown
<i>Odour</i>	No distinct odour
<i>Melting point:</i>	>198°C
<i>Relative Density (ref water at 20°C)</i>	2.7 – 3.1
<i>Solubility:</i>	Fluids outside the pH range 4-10 will cause decomposition

## 9.2 Other information

Not applicable

# SECTION 10: Stability and reactivity

<b>10.1</b>	<b>Reactivity</b>	Not applicable. See Section 9.
<b>10.2</b>	<b>Chemical stability</b>	Stable under normal conditions
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	None
<b>10.4</b>	<b>Conditions to avoid</b>	Excessive thermal exposure to decomposition points.
<b>10.5</b>	<b>Incompatible materials</b>	Acids
<b>10.6</b>	<b>Hazardous decomposition products</b>	None, products change from solids to liquids with no adverse decomposition

### SECTION 11: Toxicological information

This material has not been tested for toxicity; they are not classified under EC directives.

### SECTION 12 Ecological information

*Ecotoxicity:* No recognised unusual toxicity to plants or animals

### SECTION 13: Disposal considerations

The abrasive must be disposed of in accordance with national legislation (See Section 16) and local regulations. The material as supplied is classed as a non-hazardous inert solid waste, Spent abrasive used as a blasting medium must be disposed of under classification 12 01 16 (waste blasting material containing dangerous substances) or 12 01 17 (waste blasting material other than those mentioned in 12 01 16). The waste producer must determine if hazardous substances in the coating being removed are likely to cause the waste to be hazardous.

### SECTION 14: Transport information

Not classified according to Transport Regulations for Hazardous Goods

### SECTION 15: Regulatory Information

#### **15.1 Safety, health and environmental regulations/legislation specific for substance or mixture**

The product is not considered hazardous under EC Directives. It is exempt for registration under the requirements of REACH regulations or CLP.

### SECTION 16: Other information

This product is used as a blast media. If they are used for any other purpose, the advice of Hodge Clemco should be sought regarding any additional hazards that may arise.