

**SECTION 1 : Identification of the substance/preparation and of the company / undertaking**

- (a) **GHS product identifier**  
Garreco Walnut Shells
- (b) **Other means of identification**  
NA
- (c) **Recommended use of the chemical and restrictions on use**  
For professional dental applications.
- (d) **Supplier's details**  
Garreco, LLC  
430 Hiram Road  
Heber Springs, AR 72543  
Phone: 1-800-334-1443
- (e) **Emergency phone number**  
CHEMTREC 1-800-424-9300

**SECTION 2: Hazards identification**

(a) **GHS classification of the substance/mixture**

**Substance Name**

1. Powdered Organic Amendment

(b) **Label Elements**

**Hazard statements**

None

**Precautionary statements**

None

**Hazard Symbol(s)**

NONE

**Signal Word(s)**

NONE

(c) **Other hazards which do not result in classification**

Use dust mask in severe conditions.

**IF INHALED:** Remove to fresh air and treat symptoms as required.

**IF SWALLOWED:** Rinse mouth, drink water to clear throat.

**IF IN EYES:** Flush with copious amounts of clean water for 15 minutes. If irritation persists, contact a physician.

**SECTION 3: Composition/information on ingredients**

(a) **Chemical(s) Identity:**

(b) **Common Name:**

1. Powdered Organic Amendment

(c) **CAS No.**

ND

**Mixture:**

**Concentration (Percentage)**

100%

**SECTION 4: First-aid measures**

(a) **Description of first aid measures:**

**IF INHALED:** Remove to fresh air and treat symptoms as required.

**IF IN EYES:** Flush with copious amounts of clean water for 15 minutes. If irritation persists, contact a physician.

(b) **Most important symptoms and effects, both acute and delayed:**

**IF INHALED:** Transitory upper respiratory irritant. Inhalation of high levels of any nuisance dust over long periods of time may cause lungs to be more vulnerable to pneumoconiosis (lung disease).

(c) **Indication of any immediate medical attention and special treatment needed:**

None known.

**SECTION 5: Fire-fighting measures**

(a) **Suitable extinguishing media:**

Water or use extinguishing media appropriate for surrounding fire.

(b) **Special hazards arising from the chemical or mixture:**

None known.

(c) **Special protective equipment and precautions for fire-fighters:**

Wear appropriate personal protective equipment.

**SECTION 6: Accidental release measures**

**(a) Personal precautions, protective equipment and emergency procedures:**

No special precautions. Wear appropriate personal protective equipment.

**(b) Environmental precautions:**

None known.

**(c) Methods and material for containment and cleaning up:**

Vacuum all clean spillage. If sweeping is necessary, use a dust suppressant. Clean clothes with filter-equipped vacuum, not by blowing off with compressed air.

**SECTION 7: Handling and storage**

**(a) Precautions for safe handling:**

Use techniques that minimize generating dust. Material may be slippery on a smooth surface when wet. Avoid vigorous shaking of bags.

**(b) Conditions for safe storage, including any incompatibilities:**

Keep dry. No incompatibility.

**SECTION 8: Exposure controls/Personal protection**

**(a) Control parameters:**

Chemical	ACGIH TLV	OSHA PEL TWA
1. Powdered Organic Amendment	N/E	N/E

**(b) Appropriate Engineering Controls:**

Local exhaust recommended.

**(c) Individual protection measures:**

**RESPIRATORY:** Use an approved dust mask, such as a particulate filter respirator.

**EYES:** Goggles recommended.

**OTHER PROTECTIVE EQUIPMENT:** None required.

**SECTION 9: Physical and chemical properties**

<b>(a) Appearance:</b>	Yellow/brown powder
<b>(b) Odor:</b>	None.
<b>(c) Odor threshold:</b>	NA
<b>(d) pH:</b>	7.5
<b>(e) Melting point / freezing point:</b>	ND
<b>(f) Initial boiling point and boiling range:</b>	ND
<b>(g) Flash point</b>	ND
<b>(h) Evaporation rate (BuAc=1):</b>	ND
<b>(i) Flammability:</b>	ND
<b>(j) Upper/lower flammability or explosive limits:</b>	ND
<b>(k) Vapor Pressure:</b>	ND
<b>(l) Vapor density:</b>	ND
<b>(m) Relative density:</b>	ND
<b>(n) Solubility:</b>	Insoluble.
<b>(o) Partition coefficient: n-octanol/water:</b>	ND
<b>(p) Auto-ignition temperature:</b>	ND
<b>(q) Decomposition temperature:</b>	ND
<b>(r) Viscosity:</b>	ND

**SECTION 10: Stability and reactivity**

<b>(a) Reactivity:</b>	Low, HMIS 0
<b>(b) Chemical stability:</b>	Stable
<b>(c) Possibility of hazardous reactions:</b>	None
<b>(d) Conditions to avoid:</b>	None
<b>(f) Hazardous decomposition products:</b>	None

**SECTION 11: Toxicological information**

Acute toxicity	NE
Skin corrosion/irritation	NE
Serious Eye Damage / Irritation	NE
Respiratory or skin sensitization	NE
Germ cell mutagenicity	NE
Carcinogenicity	NE
Reproductive toxicity	NE
STOT-single exposure	NE
STOT-repeated exposure	NE
Aspiration Hazard	NE

(a) Exposure route: Inhalation, ingestion (non-hazardous).

(b) Symptoms related to the physical, chemical and toxicological characteristics:  
In extreme exposures, some congestion may occur.

(c) Delayed and immediate effects and also chronic effects from short and long term exposure:  
Transitory upper respiratory irritant. Inhalation of high levels of any nuisance dust over long periods of time may cause lungs to be more vulnerable to pneumoconiosis (lung disease).

(d) Numerical measures of toxicity:  
See control parameters above.

**SECTION 12: Ecological information**

(a) Ecotoxicity:	ND
(b) Persistence and degradability:	ND
(c) Bioaccumulative potential	ND
(d) Mobility in soil:	ND
(e) Other adverse effects:	ND

**SECTION 13: Disposal considerations****Product:****Recommendation**

Bury as non-toxic waste in an approved landfill in accordance with all federal, state, and local regulations.

**SECTION 14: Transport information**

(a) UN Number	Not controlled by IATA and to be considered as non-dangerous goods.
(b) UN Proper shipping name	NA
(c) Transport hazard class(es)	NA
(d) Packing Group	NA
(e) Environmental hazards	NA
(f) Transport in bulk	NA
(g) Other Information	NA

**SECTION 15: Regulatory information**

**SARA Reporting Requirements:** NA  
**SARA Threshold Planning Quantity:** NA  
**TSCA Inventory Status:** ND  
**Other Federal Requirements:** NA  
**Other Canadian Regulations:** NA  
**State Regulatory Information:** NA

**SECTION 16: Other information**

**PREPARED BY:** Kristofer Mainar  
**GAR QMS SDS REFERENCE:** A032

**HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:**

Health	0
Flammability	0
Reactivity	0
Other	NA

**REVISION NUMBER:** 170329

**CHANGES FROM PREVIOUS VERSION:** Replaces A218. Reviewed for accuracy on 3/29/17.

**ABBREVIATIONS**

NA Not Applicable	LD Lethal Dose
ND Not Determined	TC Toxic Concentration
NE Not Established	TD Toxic Dose
ppm parts per million	BOD Biological Oxygen Demand
G Gallon	COD Chemical Oxygen Demand
mg Milligram	Lo Lowest
L Liter	ThOD Theoretical Oxygen Demand
gm Gram	TLm Threshold Limit
mol Mole	IC Inhibitory Concentration
kg Kilogram	DOC Dissolved Organic Carbon
μ Micro	H Hours
mm Millimeter	M Months
p Pico	D Days
Pa Pascals	Y Years
c cento	W Weeks
LC Lethal Concentration	NOEL No Observed Effect Level
ACGIH American Conference of Governmental Industrial Hygienist	NOAEL No Observed Adverse Effect Level
CPR Controlled Product's Regulation	OSHA Occupational Safety and Health Administration
DSL Canadian Domestic Substances List	PEL Permissible Exposure Limit
NDSL Canadian Non-domestic Substance List	TLV Threshold Limit Value
IARC International Agency for Research for Cancer	

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED.

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