

SAFETY DATA SHEET

1. Product and Supplier Identification

Product: walnut shell

Product Use: Abrasive Media

Supplier:

Date: 2023-10-26

2. Hazards Identification

Route(s) of Entry: Eye contact, inhalation, ingestion, skin

Acute Exposure: May be irritating to the nose and respiratory tract; may also be irritating to the eyes.

Chronic Effects: Chronic inhalation may affect breathing capacity. Skin irritation may result from repeated or prolonged exposure.

Inhalation: May be irritating to the nose and respiratory tract.

Skin Contact / Absorption: Not absorbed through the skin. May cause abrasion and irritation.

Eye Contact: May cause mechanical irritation or abrasion.

Ingestion: No known adverse effects for normal, incidental ingestion.

3. Composition

Component	CAS Number
Walnut shell fractions	Not assigned

4. First Aid Measures

Inhalation: If there is gross inhalation of dusting causing shortness of breath or coughing, remove victim to fresh air. If breathing has stopped, perform artificial respiration. Seek medical attention.

Eyes: Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids. Seek medical treatment if irritation, pain, swelling, or lacrimation exists. **Skin:** Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists.

Ingestion: If large amounts are swallowed, get medical attention.

Target Products

NFPA Ratings: Health-1 Flammability-0 Reactivity-0

5. Fire Fighting Measures

Flammability: Not applicable

Flash Point: 177°C (350°F) [open cup], 198°C (388°F) [closed cup]

Auto-ignition Temperature: Not applicable

Explosion Data: For -#200 mesh dust cloud, minimum explosive concentration is 45 g/M³ (0.045 oz/ft³)

Hazardous Combustion Products: Decomposition products may be toxic; typical of wood smoke (CO, NO_x, etc.)

Extinguishing Media: Use appropriate media for surrounding fire (water, chemical foam, dry chemical, or carbon dioxide)

Fire Fighting Instructions: Wear NIOSH-approved self-contained breathing apparatus and protective clothing. Use water spray to cool structures and containers exposed to fire.

6. Accidental Release Measures

Personal Protection: Avoid breathing dust. Wear adequate personal protection to prevent inhalation of dusts, contact with skin or eyes. Avoid breakage of bagged material and spills of bulk material.

Environmental Precautions: Walnut shell is an agricultural product exempt from EPA inventory

Cleanup Procedures: Restrict access to area until completion of cleanup. Use dustless methods to minimize generation of airborne respirable dust. Collect spilled product to store to re-use. Contaminated product should be recovered and disposed of properly.

7. Handling and Storage

Handling Procedures: Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid situations that could lead to harmful exposure.

Storage: Store in a cool, dry, well-ventilated area.

8. Exposure Controls, Personal Protection

Engineering Controls: Ensure that sufficient ventilation is available to keep dust below the TLV / PEL.

Respiratory Protection: Respirators must be NIOSH approved and properly selected, maintained and used when working with this product. Knowledge of respiratory hazards and respiratory protection is essential to ensure appropriate selection of respirators. Use an approved NIOSH dust respirator with a minimum N95 rating.

Skin Protection: Wear clothing to prevent contact with skin.

Eye and Face Protection: Safety glasses with side shields or goggles are recommended.

9. Physical and Chemical Properties

Physical State:	Granular
Appearance:	Granular
Odour:	None
Melting Point:	Not applicable
Boiling Point:	Not applicable
Freezing Point:	Not applicable
Specific Gravity:	1.0-1.2 (water = 1)
Evaporation Rate:	Not available
Volatile Organic Compounds:	0% weight

10. Stability and Reactivity

Chemical Stability:	This product is stable under normal conditions.
Hazardous Polymerization:	Will not occur.
Incompatibility:	Excessive heat, ignition sources
Materials to Avoid:	Strong acids, oxidizing agents, and caustics
Hazardous Decomposition Products:	Decomposition products may be Carbon Monoxide and Nitrogen Oxides typical of wood smoke.

11. Toxicological Information

Resource Conservation and Recovery Act: Walnut shell is NOT classified as a hazardous material under RCRA or its regulations

Toxic Substances Control Act: Walnut shell is an organic product and not subject to TSCA requirements.

Carcinogenicity: Not listed as carcinogenic (NTP, IARC and ACGIH).

12. Ecological Information

Environmental Toxicity: Agricultural Product

Biodegradability: Hazardous degradation products are not likely.

13. Disposal Considerations

Dispose in accordance with all federal, provincial, and/or local regulations including the Chinese Environmental Protection Act.

14. Transport Information

Chinese Transportation of Dangerous Goods Regulations: Not regulated

International Air Transport Association (IATA): Not regulated

International Maritime Organization (IMO): Not regulated

15. Regulatory Information

CEPA, DOMESTIC SUBSTANCES LIST: Not listed

Note: *The product listed on this SDS has been classified in accordance with the hazard criteria of the Chinese controlled products regulations. This SDS contains all information required by those regulations.*

16. Other Information

NFPA Hazard Rating : Health: 0
Reactivity: 0
Fire: 0