



Technical Data Sheet (TDS)

Product Name: Walnut Shell Powder

Supplier: Basekim

1. Product Description

Walnut Shell Powder is a biodegradable, renewable, and eco-friendly product derived from crushed walnut shells. It is used across various industries for its abrasive, absorbent, and polishing properties. The material is 100% natural, non-toxic, and safe for use in industrial and consumer applications.

2. Applications

- **Abrasive Material:** For blast cleaning delicate surfaces such as metals, wood, or fiberglass.
- **Cosmetics:** As an exfoliating agent in facial scrubs, body washes, and soaps.
- **Oil Absorbent:** In industrial cleaning and oil spill remediation.
- **Polishing:** As a tumbling and polishing agent in jewelry, metal, and plastic industries.
- **Additive:** In paints, coatings, and adhesives for texture or filler purposes.
- **Filtration Media:** For water and wastewater treatment systems.

3. Physical and Chemical Properties

Property	Specification
Appearance	Light to dark brown powder
Particle Size Range	50–1000 microns (customizable)
Density	1.2–1.4 g/cm ³
Moisture Content	< 8%
pH (10% slurry)	4.5–6.5
Oil Absorption Capacity	High
Hardness (Mohs Scale)	3.5–4.0
Solubility in Water	Insoluble

4. Available Grades

Basekim provides Walnut Shell Powder in the following grades:

- **Coarse Grade:** 800–1000 microns (for blasting and industrial uses).
- **Medium Grade:** 300–600 microns (for polishing and filtration).



- **Fine Grade:** 50–200 microns (for cosmetics and additives).
- **Custom Grades:** Tailored to specific customer requirements.

5. Packaging and Storage

- **Packaging:** Available in 20 kg, 25 kg, and 50 kg bags, or customized bulk packaging.
- **Storage:** Store in a cool, dry, and well-ventilated area, away from moisture and direct sunlight.

6. Key Features and Benefits

- **Eco-Friendly:** 100% natural and biodegradable.
- **Non-Toxic:** Safe for human, animal, and environmental exposure.
- **Durability:** High hardness ensures extended usage.
- **Customizable:** Particle size and other properties can be tailored for specific applications.
- **Versatility:** Suitable for various industries and applications.

7. Health, Safety, and Handling

- Ensure proper ventilation when handling large quantities to avoid inhalation of dust.
- Wear protective equipment such as gloves and masks to minimize irritation.
- Avoid contact with eyes; rinse thoroughly with water if contact occurs.

8. Compliance and Certifications

- Complies with **ISO 9001** Quality Standards.
- Meets **REACH** and **RoHS** environmental standards.
- Certified for use in cosmetic applications (where applicable).

9. Contact Information

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Disclaimer: The information provided in this TDS is based on our current knowledge and experience. Users should verify the product's suitability for their specific applications through testing and consultation.