

WALNUT SHELL POWDER

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

Product Name: walnut shell powder
 INCI Name: jugland regia
 Synonyms: walnut shell powder
 CAS Number: 84012-43-1
 EINECS Number: 281-688-1
 Origin: natural

Eye Contact: no hazards identified.
 Skin Contact: no hazards identified
 Ingestion: no hazards identified.
 Chronic Exposure: no hazardous effects from chronic exposure known

2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point: not available
 Boiling Point: > 93°C (> 200°F)
 Vapor Density, Air= 1: not available
 Vapor Pressure: not available
 Specific Gravity: 1.2
 Solubility in water: insoluble
 pH Value: not available
 Appearance & Odor: fine, light-brown powder, nutty odor

8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water. Seek medical attention if irritation develops.
 Skin: no specific first aid measure necessary.
 Inhalation: no specific first aid measure necessary.
 Ingestion: Do not induce vomiting. Consult medical personnel if gastrointestinal symptoms develop. Never give anything by mouth to an unconscious person.

3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions
 Incompatibility: no known incompatibilities
 Hazardous Decomposition: biodegradable; burning can produce carbon monoxide and carbon dioxide
 Hazardous Polymerisation: will not occur

9. FIRE FIGHTING MEASURES

Flash Point: 193°C (380°F); if exposed to ignition source, this material may burn. High concentrations of dust in air can explode if sufficient temperature and ignition source occurs.
 Extinguishing Media: water spray, foam, carbon dioxide
 Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
 Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

10. TOXICOLOGICAL INFORMATION

General: not regarded as hazardous material
 Acute LD50: not data available
 Dermal and Eye Irritation Test: not data available
 Carcinogenicity, Mutagenicity: not data available

5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: No specific protection measure necessary.
 Protective Clothing: Gloves not required. Safety glasses, goggles, or face shield recommended for eye protection against dust.
 Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

12. TRANSPORT INFORMATION

General: not regarded as hazardous material
 DOT Shipping Name: Refer to corresponding hazard class
 ADR/ R I C Code: Refer to corresponding hazard class
 Sea Transport IMDG Code: Refer to corresponding hazard class
 Air Transport IATA: Refer to corresponding hazard class

7. HAZARDS IDENTIFICATION

General: not hazardous under normal conditions.
 Inhalation: no known hazards to respiratory system.

13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

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