

Product **Health & Safety Data Sheet**

Almond Shell Products

1.0 Substance / Preparation and Company Identification

Product Name:	Almond Shell
Chemical Name:	Prunus Amygdalus Dulcis (Sweet Almond) Powder
Company Identification:	Aura Products Ltd, Unit 2b Millbrook Court, Middlewich, Cheshire, CW10 0GE, United Kingdom
Telephone Number:	+ 44 (0)1606 835757

2.0 Composition / Information of Ingredients

Chemical Characterisation:	
CAS Number:	90320-37-9
EINECS Number:	291-063-5

3.0 Hazard Identification

No specific risks to man or the environment.

4.0 First Aid Measures

Eye Contact:	In the event of contact with eyes, irrigate with water for at least 10 minutes. Obtain medical advice if irritation persists.
Skin Contact:	Wash off with water.
Ingestion:	In the event of accidental ingestion rinse mouth with water.
Inhalation:	Remove from the exposure to fresh air. Obtain medical advice if necessary.

Prepared by Neil Daly

Date: 01.08.2025

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5.0 Fire Fighting Measures

Explosion Hazard:	Dust may constitute an explosive hazard
Particular Fire Extinguishing Media:	Water Spray, Foam or Carbon Dioxide

6.0 Accidental Release Measures

No specific measures required. It is advisable to wear a dust mask

7.0 Handling and Storage

Handling:	Avoid high dust levels
Storage:	Store in a cool dry place

8.0 Exposure Controls and Personal Protection

Exposure Control:	10mg / m ³ 8hr TWA total inhalable dust 5mg / m ³ TWA total respirable dust
Personal Protection:	Dust mask and goggles

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9.0 Physical and Chemical Properties

Appearance:	A brown powder / granule
Odour:	Odourless
Flash Point:	Not determined
Ignition Temperature:	420°C
Explosion Limits:	40 grams per m ³
Density:	440 / 770 grams per litre
PH Value:	4.5 – 6.2
Viscosity:	Not Applicable

10.0 Stability and Reactivity

Minimum Ignition energy testing has shown that this material is sensitive to ignition from electrostatic discharges (MIE = 20-25mJ). This characteristic implies the need for extreme caution in the avoidance of electrostatic ignition sources. This should include, but is not limited to:

- Rigorous earthing of plant, personnel and conductive process materials.
- Avoidance of large-scale storage (e.g. In silos or volumes greater than 1m³) of insulating powders or granules to minimise charge accumulation and reduce the possibility of cone discharges.

The Minimum Ignition Temperature of a Cloud and Layer Ignition Temperature test results determine the maximum surface temperature of enclosure for electrical equipment to be 225°C.

- LIT Value with Factor of Safety: $300-75 = 225^{\circ}\text{C}$
- MIT Value with Factor of Safety: $2/3 \times 460 = 307^{\circ}\text{C}$

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11.0 Toxicological Information

Almond Shell is not classified as toxic.

12.0 Ecological Information

Almond Shell Granules are naturally biodegradable, and we are not aware that they pose any toxic threat to the environment

13.0 Disposal Considerations

As a natural product, Almond Shell Granules may be disposed of in a land fill tip or incinerated

14.0 Transportation Information

Not applicable as material is classified as non-hazardous

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15.0 Legislative Information

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16.0 Other Information

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