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**ALMOND SHELL GRANULES**

**DESCRIPTION**

**BROWN/ORANGE COLOURED GRANULES MANUFACTURED BY THE  
MECHANICAL GRINDING AND SIFTING OF ALMOND SHELLS.**

**GRADES AVAILABLE**

**ALMOND SHELL GRANULES :**

**ASG 4-10 MESH  
ASG 8-16 MESH (1220C)  
ASG 16-30 MESH (2024C)  
ASG 22-36 MESH (3036C)  
ASG 24-60 MESH (4654C)  
ASG 25-52 MESH (SHALE)  
ASG 40-100 MESH (6080C)  
ASG 60-120 MESH (90C)**

**PACKAGING**

**MATERIAL SHALL BE PACKED AS SPECIFIED BELOW UNLESS STATED  
OTHERWISE ON PURCHASE ORDERS.**

**BAG TYPE : WHITE 2 PLY VALVE SACKS MARKED WITH PRODUCT TYPE,  
GRADE AND BATCH NUMBERS.**

**WEIGHT PER BAG : 25 KILOS NET**

**BAGS PER PALLET : 40 BAGS**

**PALLET TYPE : 1200 MM X 1500 MM 2 WAY ENTRY WOODEN PALLET**

**PHYSICAL AND CHEMICAL PROPERTIES**

**ASH : 3.0% TYPICALLY**

**MOISTURE : 15.0% MAX**

**LOOSE BULK DENSITY**

<b>GRADE</b>	<b>BULK DENSITY (GRAMS/LITRE)</b>
ASG 4-10 MESH	766-862
ASG 8-16 MESH (1220C)	766-862
ASG 16-30 MESH (2024C)	663-807
ASG 22-36 MESH (3036C)	663-807
ASG 24-60 MESH (4654C)	663-807
ASG 25-52 MESH (SHALE)	630-770
ASG 40-100 MESH (6080C)	600-730
ASG 60-120 MESH (90C)	600-730

**PARTICLE SIZE (USING A SIEVE SHAKER)**

**RESULTS EXPRESSED AS CUMULATIVE % RETAINED**

<b>MESH</b>	<b>MICRONS</b>	<b>4-10</b>	<b>8-16 (1220C)</b>	<b>16-30 (2024C)</b>
4	4000	1.0-20.0 TYP		
5	3350	-		
6	2800	-		
7	2360	-		
8	2000	-	1.0-10.0	
10	1700	85.0 MIN	-	
12	1400		-	
14	1180		-	NIL
16	1000		-	NIL-1.0
18	850		-	-
22	710		97.0 MIN	-
25	600			-
30	500			97.0 MIN

<b>MESH</b>	<b>MICRONS</b>	<b>22-36 (3036C)</b>	<b>24-60 (1654C)</b>	<b>25-52 (SHALE)</b>
16	1000	NIL		
18	850	-		NIL
22	710	NIL-3.0		1.0 MAX
25	600	-	NIL	NIL-3.0 TYP
30	500	-	-	-
36	425	-	NIL-35.0	50.0-95.0 TYP
44	355	97.0 MIN	-	
52	300		-	85.0 MIN
60	250		-	
72	212		97.0 MIN	

<u>MESH</u>	<u>MICRONS</u>	<u>40-100 (6080C)</u>	<u>60-120 (90C)</u>
36	425	NIL	
44	355	NIL-10.0	
52	300	NIL-30.0	NIL
60	250	-	NIL-12.0 TYP
72	212	-	-
85	180	-	25.0-70.0 TYP
100	150	95.0-100.0	45.0-85.0 TYP
120	125	98.0 MIN	75.0 MIN

## HEALTH AND SAFETY DATA SHEET

### PRODUCT NAME

ALMOND SHELL GRANULES

### COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISATION : NOT APPLICABLE

CAS NUMBER : NOT APPLICABLE

EINECS NUMBER : NOT APPLICABLE

### HAZARD IDENTIFICATION

TO THE BEST IOF OUR KNOWLEDGE, NO SPECIFIC RISKS TO MAN AND THE ENVIRONMENT.

### FIRST AID MEASURES

EYE CONTACT : IN THE EVENT OF CONTACT WITH EYES, IRRIGATE WITH WATER FOR AT LEAST TEN 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.

### FIRE FIGHTING MEASURES

PARTICULAR FIRE/XPLOSION HAZARDS : DUST MAY CONSTITUTE AN EXPLOSIVE HAZARD.

**EXTINGUISHING MEDIA : WATER SPRAY, FOAM OR CARBON DIOXIDE.**

**ACCIDENTAL RELEASE MEASURES**

**NO SPECIFIC MEASURES REQUIRED. IT IS ADVISABLE TO WEAR A DUST MASK AND GOGGLES WHEN DUST IS BEING GENERATED. DO NOT SMOKE IN THE PRODUCT AREA.**

**ACCIDENTAL SPILLAGE SHOULD BE SWEEPED OR VACUMMED UP.**

**HANDLING AND STORAGE**

**HANDLING : AVOID HIGH DUST LEVELS.**

**STORAGE : STORE IN A COOL, DRY PLACE.**

**EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**OCCUPATIONAL EXPOCURE STANDARDS : 10MG/M3 8HR TWA TOTAL INHALABLE DUST.**

**PERSONAL PROTECTION : DUST MASK AND GOGGLES.**

**PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE</b>	<b>LIGHT BROWN GRANULES</b>
<b>ODOUR</b>	<b>ODOURLESS</b>
<b>FLASH POINT</b>	<b>NOT DETERMINED</b>
<b>IGNITION TEMPERATURE</b>	<b>420 °C</b>
<b>EXPLOSION LIMITS</b>	<b>40 GRAM/M3</b>
<b>DENSITY</b>	<b>580-770 GRAMS/LITRE</b>
<b>SOLUBILITY IN WATER</b>	<b>-</b>
<b>SOLUBILITY IN ALCOHOL</b>	<b>-</b>
<b>PH VALUE</b>	<b>4.5-6.2</b>
<b>VISCOSITY</b>	<b>NOT APPLICABLE</b>

**STABILITY AND REACTIVITY**

**THERE IS THE POSSIBILITY OF A DUST EXPLOSION SO AVOID EXCESSIVE TEMPERATURE, FLAME OR OTHER SOURCES OF IGNITION.**

**TOXOLOGICAL INFORMATION**

**ACCORDING TO THE INFORMATION WE HAVE TO HAND, ALMOND SHELL GRANULES ARE NON-INJURIOUS TO HEALTH. HOWEVER, INHALATION OF DUST SHOULD BE AVOIDED.**

**ECOLOGICAL INFORMATION**

**ALMOND SHELL GRANULES ARE NATURALLY BIODEGRADABLE AND WE ARE NOT AWARE THAT THEY POSE ANY TOXIC THREAT TO THE ENVIRONMENT.**

**DISPOSAL CONSIDERATIONS**

**AS A NATURAL PRODUCT, ALMOND SHELL GRANULES MAY BE DISPOSED OF IN A LAND FILL TIP OR INCINERATED.**

**TRANSPORTATION INFORMATION**

**NOT APPLICABLE AS MATERIAL IS CLASSIFIED AS NON-HAZARDOUS**

**LEGISLATIVE INFORMATION**

**NOT APPLICABLE AS MATERIAL IS CLASSIFIED AS NON-HAZARDOUS.**

**OTHER INFORMATION**

**THE INFORMATION CONTAINED IN THIS DATA SHEET IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE, BUT ANY RECOMMENDATIONS OR SUGGESTIONS WHICH MAY BE MADE ARE WITHOUT GUARANTEE, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL.**

**OBSERVANCE OF EXISTING LAWS AND REQUIREMENTS RESTS WITH THE RECIPIENT OF OUR PRODUCT.**

**JULY 2002**