

Safety DataSheet

Knaap Profit (Extra)

Company	Van der Knaap Group of Companies
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Website	www.vanderknaap.info
Product name / Trade name	Knaap Profit Knaap Profit Extra Available in different shapes and sizes. Unwashed, washed and super washed.
Intended use	Use as a growing media in agriculture, horticulture and gardening.
Unintended use	Not intended for consumption by humans and/or animals. Do not eat, drink or smoke when using this product.
For emergencies	Nationaal Vergiftigings Informatie Centrum +31 (0) 30 274 88 88. Exclusively intended to inform professional care in case of acute poisoning.

Composition and information on ingredients

Composition	Knaap Profit (Extra) is made from coir husks which is a waste product of the coconut industry. Husks are cut into chips, then washed and dried by wind and sun. After screening the material is pressed in the desired size and shape and packed accordingly.
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Hazardous ingredients

Hazardous ingredients	Not applicable according CLP (1272/2008), REACH (1907/2006)
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Hazardous identification

Effect of overexposure

Inhalation	Fine coir particles (dust) may cause irritation of respiratory tract.
Skin	No known hazard.
Eyes	Contact with fine coir particles (dust) may cause minor irritation.
Ingestion	Considered practically non-toxic.
Aggravated medical conditions	Inhalation of dry fine coir particles (dust) may aggravate asthma.

First aid measures

Inhalation	Move person to fresh air.
Skin contact	Wash with water (possibly with mild soap).
Eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses after the first 5 minutes and continue rinsing eye. Seek medical assistance if needed.
Ingestion	No known hazard.

Firefighting measures

Flash point	May burn under fire conditions.
Auto ignition temperature	Not applicable.
Lower explosion limit	Not applicable.
Upper explosion limit	Not applicable.
Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire.
Fire and explosion hazards	As in any fire, wear dust protective apparatus and full protective gear.

Accidental release measures

Personal precautions	Wear normal working clothing.
Environmental precautions	For large spills, take precautions to prevent entry into waterways, sewers, or surface drainage systems.
Clean-up methods	Collect and place it in a suitable and properly labelled container for recovery or disposal.

Handling and storage

Handling	If applicable, avoid breakage of the packaging.
Storage	If applicable, keep packaging closed. Store in a dry and well ventilated place, between min. 5 °C and max. 25 °C. Keep out of direct sunlight. Keep stored away from children and animals. Limited shelf life.
Specific end use	Use as a growing media only.

Exposure controls / personal protection

Respiratory protection	If dusty conditions exist, wear a face mask approved for use with dusts.
Eye protection	Use safety glasses if there is a potential for exposure to particles which could cause injury to the eyes.
Skin protection	Not needed under normal conditions of use (normal working clothes).
Engineering controls	If product is used indoors, good general ventilation should be sufficient.

Physical and chemical properties

Physical form	Coir fibre, small amount of coir dust and coir chips, made of the crushed husks of coconuts, pressed in the required dimensions (this can vary) and packed on pallets or loose (bulk).
Colour	Brown
Odour	Negligible
Bulk density (dry material) ¹⁾	75 - 100 kg/m ³
Organic matter (% by weight) ¹⁾	> 85 %
Water content (% by weight) ¹⁾	< 20 %
Water value ¹⁾	4.5 - 6.0 g/g organic material
Solubility in water	Nil.
% volatile by weight (VOC)	Nil.

¹⁾ Test method based on NEN-EN 12579, 13039, 13040, 13041.

pH-H ₂ O ²⁾	5.0 - 7.5
pH-H ₂ O ³⁾	5.4 - 7.9
EC ²⁾	≤ 1.0 mS/cm (Washed)
EC ³⁾	≤ 40 mS/m (Washed)
Human Pathogens ⁴⁾	Free from Human Pathogens according to the RHP-standards.
Enterobacteriaceae	Target value < 10,000 cfu/g
E. Coli	Target value < 1,000 cfu/g
Salmonella	Target value 0
Campylobacter	Target value 0

²⁾ Test method: 1:1.5 volumes extraction with demineralised water, Dutch method.

³⁾ Test method: 1:5 volumes extraction with demineralised water based on NEN-EN 12579, 13037, 13038 and 13040.

⁴⁾ The indicative standard indicates a risk. There is no rejection on this.

Stability and reactivity

Reactivity	None known.
Chemical stability	Product is chemically stable.
Conditions to avoid	Damp or wet conditions.
Materials to avoid	None known.
Hazardous decomposition products	No information available.
Incompatible materials	None known.
Possibility of hazardous reactions	None.

Toxicological information

Eye effects	No known effects, only coir dust in eyes may cause irritation.
Skin effects	No known hazard.
Inhalation	Dust particles may cause slight irritation in very high concentration.

Ecological information

Ecotoxicity effects	No known effects.
Persistence and degradability	Biodegradable.
Bioaccumulative potential	Not applicable.
Mobility in soil	The product is insoluble and dust particles can float on water.
Results of PBT and vPvB	No relevant data available.
Aquatic toxicity	Not considered to be toxic to aquatic organisms.

Disposal consideration

Waste disposal methods	In accordance with local and national regulations.
Contaminated packaging	Dispose of plastic packaging or non woven material after use in usual manner according to local regulations.

Transport information

Transport information	Transportation and shipping of this product is not restricted. It has no known, significant hazards requiring special packaging or labelling for air, maritime, US or European ground transport purposes. The product should be transported in clean and dry trucks or containers.
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Regulatory information

EU Regulations	Does not contain any substances under the limitations of Annex XVII of REACH. Knaap Profit (Extra) does not contain any substances of the REACH Candidate list nor any substance stated in Annex XIV of REACH.
Chemical safety assessment	No relevant data available.

Other information

These materials are made from natural products and may contain naturally occurring micro-organisms. Proper precautions are advised to prevent infection on open wounds inhalation of excessive amounts of dust and eye irritation. The proper hygiene practices necessary to prevent health hazards from any naturally occurring substance should be observed.