

PRODUCT SAFETY DATA SHEET

This generic SDS is provided by MGS Ltd to give information to assist with material handling of the products listed which are conforming to standard EU regulation art. 31 paragraph 6 1907/2006 and 453/2010)



Doc No: HS8 C42-028
Version: MGS 1/JS
Date: August 2018
Review Date: July 2020

SECTION 1: Identification of the substance/mixture of the company/undertaking

1.1 Product identifier

Product Name: Mikolit 00 Pellets
Synonyms/Trade Name: Mikolit 00

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Sealing ground water, road and water constructions and in the drilling industry

1.3 Details of the supplier of the safety data sheet

Name:	Marton Geotechnical Services Ltd
Address:	Rougham Industrial Estate, Bury St Edmunds, IP30 9ND
Country:	UK
Phone N°:	+44 (0)1359 271167
Fax N°:	+44 (0)1359 271168
E-mail:	sales@mgs.co.uk

1.4 Emergency telephone number

Emergency telephone at the company	+44 (0)7738 197 517
Available outside office hours:	Yes
Language of the phone service:	English
E-mail of competent person responsible	darren.portway@mgs.co.uk
National contact:	Darren Portway

SECTION 2: Hazards identification

The individual components that make up the product are not dangerous in their processed form. Even the dust that may be released during processing or working is harmless, provided that the dust concentration remains below a certain limit value. For normal use, this limit value will not be exceeded. Normal use means that the product is applied in the open air.

Inhalation of high concentrations of **respirable** quartz dust may cause lung fibrosis. The respirable fraction of the quartz contained in this product is nil (0.94% of the total amount of quartz in Mikolit 00 is respirable, so this is a negligible factor). See § 3 for limit values. Wet clay on the floor or ground may cause a risk of slipping, sliding or falling.

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SECTION 3: Composition/information on ingredients

Grey coloured, coarse-grained mixture of clays. Comprised of soda activated, calcium montmorillonite clay, in low-dust composition.

Conforms to RFA/DIN 51001			
	Fraction	WEL	CAS Nr
SiO ₂ (quartz)	64%	Amorphous: 6 mg/m ³ (inhale, LT exp lim.) 2.4 mg/m ³ (Resp. LT exp lim.)	61790-53-2
Al ₂ O ₃	18%	15.63 mg/m ³	1344-28-1
Fe ₂ O ₃	3%	No limit value	1345-25-1
Other ingredients	15%	Not yet defined	-
R-Phrases	-		
S-Phrases	P260: Do not inhale dust		

SECTION 4: First aid measures

Eyes: Flush with clean water
Skin: Remove dust residue with soap and water
Ingestion: The product is non-toxic
Inhalation: The product is non-toxic; long-term effects cannot be excluded if exposure is prolonged and repeated (applies to all forms of dust). Therefore, inhalation of released dust particles should be avoided.

SECTION 5: Fire-fighting measures

The product is not combustible, use fire extinguishers that meet environmental needs.

SECTION 6: Accidental release measures

There are no known associated risks if the product comes into contact with water; the product does not react with water, nor does it release toxic substances into water, gases or other fluids.

Release of the product does not cause any environmental risk.

When removing the product, a build-up of dust may be formed.

When mixed with water, the product can be slippery, so take this into account (keep area clean, quickly clean up residue).

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SECTION 7: Handling and storage

In normal use, the product is harmless, as already described. Reducing or grinding the product may result in the formation of dust. A situation such as this is not normally expected but cannot be excluded. As with all dust-producing products and processes, it is recommended that the formation of dust (often as a result of mechanical action) is prevented as far as possible. Effects on health (lungs) cannot be excluded in the event of prolonged and repeated exposure to the substance.

Store in a dry place and protect from sunlight.

SECTION 8: Exposure controls / personal protection

The product is not dangerous. If a situation as described in § 7 (dust) occurs, then negative health effects (over the long-term) can occur with regular use. In case the dust is visible or there is a clear defect in the product, (e.g. pulverising), Respiratory PPE must be used.

Limit value: There is no legal limit value for the product, limit values for the individual components from which the product is composed are already described under point 2.

A dust analysis carried out in 2011 calculated a limit value of 8 mg / m³.

Always: The product is slightly alkaline and can dry the skin after prolonged and regular exposure; therefore, the use of gloves and other appropriate clothing is recommended.	A blue circular icon with a white border, showing a white glove with fingers spread.
Seldom: If during the processing of the product, there is dust visible , a P2 or P3 quality respirator should be used.	A blue circular icon with a white border, showing a white silhouette of a person's head and shoulders wearing a respirator mask.

SECTION 9: Physical and chemical properties

Appearance	Free granules of 2-12mm depending on humidity, pasty properties
Solubility in water	The product is not soluble in water
pH value	10.5
Odour	None
Colour	Grey
Density (compacted)	2600 kg/m ³
Loose bulk density	1100 kg/m ³
Flash point	Not flammable
Explosive limits	Not flammable
Vapour pressure	N/A

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SECTION 10: Stability and reactivity

The product is chemically stable and inert. The product may come into contact with any other materials and products.

SECTION 11: Toxicological information

Acute risks:	None
Chronic risks:	Lung complaints Irritation (dehydration of the skin)

SECTION 12: Ecological information

Mikolit 00 is the product of processing a naturally-occurring substance (clay product). The substance will cause no adverse environmental effects. Adverse effects on the environment are not expected due to the nature and origin of the substance.

SECTION 13: Disposal considerations

Remnants of the product can be disposed of as a harmless solid substance in compliance with local regulations. If dust is formed during removal, it is advisable to remove this with a vacuum. Release of dust is not expected in normal use. Any product that has been exposed to sunlight for a long period, in combination with any mechanical action, can reduce a portion of the product to dust.

Packaging:

Packaging from your own waste processors, e.g. that offered for recycling plastic, can be used.

SECTION 14: Transport considerations

Exposure to sunlight and rain must be avoided. Therefore, the load must be covered.

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SECTION 15: Regulatory information

According to EU regulations, the product is not classified as hazardous.

SECTION 16: Other information

If Mikolit 00 is crushed, there is a small chance that dangerous amounts of dust may be released. Grinding Mikolit 00 will not be considered as an intended use of the product. The producer accepts no liability for any (potential) damage to health resulting from exposure to the product as a result of grinding or after grinding.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability of completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.