

KENTISH MINERALS

(A division of Macromin Ltd)

16-18 High Street, Westerham
Kent TN16 1RF U.K.

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KM Sepiolite

MATERIAL SAFETY DATA SHEET

MSDS – SEPIOLITE 100 MESH

1.0 IDENTIFICATION:-

- 1.1 Product Name: SEPIOLITE 100 MESH
- 1.2 Supplier: Kentish Minerals
16 – 18 High Street
Westerham
Kent TN16 1RF
Tel. 01959 564690 Fax 01959 563722
- 1.3 Product Description: Off white powder used in a wide range of Applications as an industrial absorbent. Bleaching of mineral oils, greases and waxes. Insecticide and pesticide carrier.

2.0 COMPOSITION

Natural mineral composed of Sepiolite clay (hydrated magnesium silicate) and associated minerals.



3.0 HAZARDS IDENTIFICATION:-

- 3.1 Eye Contact: No special precautions.
- 3.2 Skin Contact: No special precautions.
- 3.3 Inhalation: No special precautions.
- 3.4 Ingestion: No special precautions.
- 3.5 Environment: Biodegradable natural clay.

4.0 FIRST AID MEASURES:-

- 4.1 Eye Contact: No special measures are considered necessary. In the event of particles entering the eye irrigate with water.
- 4.2 Skin Contact : No special measures are considered necessary.
- 4.3 Ingestion: No special measures are considered necessary.
- 4.4 Inhalation : Product is granular but naturally contains a proportion of dust particles a small percentage of which may be of respirable size. HSE Guidance Note EH40, which is published annually by the Health and Safety Executive gives advice on Occupational Exposure Limits. This product is not listed in EH40 and therefore has an Occupational Exposure Standard of:-

(OES mg m⁻³ 8-hour TWA)

Total Inhalable Dust	Respirable Dust
10	5

Below these concentrations in air the product can be considered as non-hazardous. No special protection is required but suitable respiratory masks are recommended in working environments where high dust levels may be created.

5.0 FIRE FIGHTING MEASURES:-

- 5.1 Extinguishing Media: None required / fire retardant.
- 5.2 Fire/Explosion Hazards : None.
- 5.3 Decomposition Products : None.
- 5.4 Special Protective Equipment: None recommended.

6.0 ACCIDENTAL RELEASE:-

- 6.1 Personal Protection: None recommended.
- 6.2 Containment & Disposal: No special disposal requirements for unused clay.

7.0 HANDLING AND STORAGE:-

- 7.1 Handling Precautions: Avoid creating dust in working atmosphere.
- 7.2 Storage Precautions: Indefinite shelf life but store in dry conditions.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION:-

- 8.1 Eye Protection: No special precautions.
- 8.2 Protective Clothing: None recommended.
- 8.3 Respiratory Protection: Not required.
- 8.4 Ventilation: Normal air circulation. Allow adequate ventilation in enclosed areas.
- 8.5 Hygiene: No special requirements.

9.0 PHYSICAL AND CHEMICAL PROPERTIES:-

Moisture	10 +/- 3%
Bulk Density	600g/l +/- 30g/l
Water Absorption	95 +/-15%
Oil Absorption	55 +/-15%
Mechanical Strength	5 +/- 2kg/cm ²
Wet Strength	92%
PH	8.5 +/- 0.5
Specific Gravity	2.3g/cm ³
Surface area BET' N2	240 m ² /g

10.1 STABILITY AND REACTIVITY:-

- | | | |
|------|--|-------------------|
| 10.1 | Stability: | Stable |
| 10.2 | Conditions to Avoid: | None applicable. |
| 10.3 | Incompatibility
(materials to avoid): | None significant. |
| 10.4 | Hazardous Decomposition
Products: | None. |
| 10.5 | Hazardous Polymerisation: | Will not occur. |

11.0 TOXICOLOGICAL INFORMATION:-

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|------|------------------|-------------------------|
| 11.1 | Eye Contact: | Irrigate with water. |
| 11.2 | Skin Contact: | No recommendation. |
| 11.3 | Inhalation: | No precaution required. |
| 11.4 | Ingestion: | No precaution required. |
| 11.5 | Exposure Limits: | Not applicable. |

12.0 ECOLOGICAL INFORMATION:-

This product contains natural mineral clay.
The raw material ingredients in this product are biodegradable within the scope of current EC legislation.

13.0 DISPOSAL CONSIDERATIONS:-

No special requirements for unused clay.

14.0 TRANSPORT INFORMATION:-

14.1	Classification for Transport:	Not classified as hazardous for transport.
14.2	UN No. / SI No.:	None
14.3	IATA / ICAO Class (Air):	None
14.4	IMDG / IMO Class (Sea):	None
14.5	ADR / RID Class (Road/Rail):	None
14.6	Packaging Group:	None

15.0 REGULATORY INFORMATION:-

15.1	Classification:	Not classified as hazardous for supply.
15.2	Risk Phrases:	None
15.3	Safety Phrases:	Non applicable.

The information given has been compiled with reference to the CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP) 1994, the CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 1994 and the MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1992. This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

16.0 OTHER INFORMATION:-

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.