

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Supplier**

**Westland Vermiculite**  
**Westland Horticulture**  
14 Granville Industrial Estate  
Granville Road  
Dungannon  
Co Tyrone  
BT70 1NJ  
Tel 028 87727500  
Fax 028 87723800

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

The material is a complex magnesium aluminium iron silicate.  
CAS No. 1318-00-9

**3. HAZARDS IDENTIFICATION**

Not classified as hazardous under CHIP regulations 1994

**4. FIRST AID MEASURES****First Aid Measures**

Inhalation	: Non-toxic. Move to fresh air and rest, if recovery is not prompt seek medical attention.
Prevention	avoid inhalation of fine dust and wear a dust mask.
Ingestion	: Non toxic and non hazardous. Wash out mouth with water and drink water
Prevention	Wear dust mask
Skin Contact	: Non-toxic, non-irritant. Wash with soap and water.
Prevention	Wear gloves and overalls.
Eye Contact	: All dust can irritate the eyes therefore avoid contact. Rinse eyes with plenty of water for several minutes remove any contact lenses if easy. seek medical advice if symptoms persist.
Prevention	Wear safety spectacles

**5. FIRE FIGHTING MEASURES**

Non combustible and will not give off toxic fumes

## Extinguishing media

Suitable : All types of extinguishing agent permitted.

Special Fire-fighting : none

## procedures

Hazardous thermal : none

Note: When used to adsorbed flammable liquids it will not render them non flammable so remove and dispose of such material with due care and attention

6. ACCIDENTAL RELEASE MEASURES
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Personal precautions : No specific personal protection equipment is required.

Environmental precautions : Prevent dispersion.

Methods for cleaning up : Collect spilled material in sealed containers.

7. HANDLING AND STORAGE
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Handling : Prevent formation of clouds of dust. Can become slippery when wet

Storage : No specific protective measures are required. Keep in a cool, dry, well-ventilated place.

## Packaging Materials

Suitable : Keep in bags or containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
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Occupational exposure limit – LTEL 10mg m<sup>-3</sup>(Inh). 1mg m<sup>-3</sup> (Resp). 8 hr TWA. Use suitable handling procedures to minimise dust, if dust levels are likely to exceed OEL use goggles and dust mask to BS4275

9. PHYSICAL AND CHEMICAL PROPERTIES
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Physical state : lightweight inert inorganic material

Colour : golden brown.

Odour : none.

Decomposition temperature: Fusion point in excess of 1000°C.

Solubility in water : mostly insoluble

10. STABILITY AND REACTIVITY
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Stability : Stable

Conditions to avoid : none.

Materials to avoid :Acids\*

Hazardous decomposition products : none.

\*Note: Minerals to be avoided are quoted as acids. It has been shown that prolonged contact with acids at elevated temperatures does affect vermiculite, so this statement is technically correct. However for many years vermiculite has been used without problems as a packing material and adsorbent carrier for soaking a wide range of dilute acids and other chemicals.

#### 11. TOXICOLOGICAL INFORMATION

Vermiculite is a non-toxic material and presents little treat to human health provided the standards of industrial hygiene are followed

#### 12. ECOLOGICAL INFORMATION

No adverse environmental effects foreseen  
Not readily biodegradable  
Not expected to bioaccumulate  
Not expected to be toxic to aquatic life

#### 13. DISPOSAL CONSIDERATIONS

Methods of disposal : Disposal according to local legislation.  
Waste residues : Keep waste separate

Contaminated packaging : After appropriate cleaning, the packaging can be re-used.

#### 14. TRANSPORT INFORMATION

Free for transport regulations.

#### 15. REGULATORY INFORMATION

UK health and safety at work act 1974  
UK control of substances hazardous to health regulations 1988  
UK environmental protection act 1990  
HSE guidance note EH26  
HSE guidance note EH40  
Construction industry advisory committee hazardous information sheet one  
directive 91/155/EEC

#### 16. OTHER INFORMATION

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may



not be suitable for combinations with other materials or in processes other than those specifically described herein.