

# WILLEMS PERLITE NV

PERLITE SUBSTRATES

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY UNDERTAKING

#### 1.1 Identification of the substance/preparation

Trade name : Willems Perlite.

#### 1.2 Company/undertaking identification

See address mentioned below.

#### 1.3 Emergency telephone number

See phone number mentioned below.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Perlite is rhyolitic rock of volcanic origin with a hyaline structure.

### 3. HAZARDS IDENTIFICATION

This product is tested at regular intervals for the presence of crystalline silica but none has been detected.

### 4. FIRST AID MEASURES

Oral	Give plenty of water to drink and seek medical advice.
Eye	The product is not primarily irritant but eye contact may cause irritation due to abrasion.
Skin	The product is not primarily irritant but persistent skin contact may cause irritation due to abrasion. Wash with soap and water; if any adverse reaction occurs, obtain medical advice.
Inhalation	Willems Perlite Particles and Perlite Blocks are supplied in a form which does not produce dust. However, excessive inhalation of product dust, should this occur, may cause temporary irritation of the respiratory tract as with any powder. Possibly harmful by inhalation over prolonged periods.

### 5. FIRE-FIGHTING MEASURES

The product is not combustible or explosive. It is compatible with all standard fire-fighting procedures.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions                      See section 8 Exposure controls/Personal protection.

Spillage    Small quantities can be washed to drain with plenty of water but observe local effluent control limits. Larger spillage should be collected by a wet vacuum cleaner fitted with an efficient particulate filter.

## 7. HANDLING AND STORAGE

### 7.1 Handling

The use of engineering measures (e.g. local dust extraction) is recommended to provide effective dust control in order to ensure compliance with the current Occupational Exposure Limits.

### 7.2 Storage

Store under normal dry conditions.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

See also section 7.1 Handling. Wear protective clothing e.g. overall and cap and, if prolonged contact with the hands is likely, suitable impervious gloves. When engineering control measures (e.g. local dust extraction) need to be supplemented by wearing of a respiratory protective device, this must be of a type or according to a standard approved by the Health and Safety Executive. If conditions exist causing product contact with the eyes, goggles should be worn.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White
Odor	Odorless
Particle size	Typically 0.005 - 6 mm
Solubility	Insoluble in water at 20° Celsius
Density (true)	kg/m <sup>3</sup>
Density (expanded)	50 - 100 kg/m <sup>3</sup>
Sintering temperature	> 850° Celsius
Melting point	> 1200° Celsius

## 10. STABILITY AND REACTIVITY

The material is considered to be stable and relatively inert.

## 11. TOXICOLOGICAL INFORMATION

Perlite is a mineral which is found in nature. In itself it is not a toxic mineral. It is a pH-neutral product. This material presents little threat for human health provided the standards of industrial hygiene as outlined in this document are followed. This product has been tested on several occasions for crystalline silica content but none has been detected.

## **12. ECOLOGICAL INFORMATION**

No specific test data are available. Perlite is a mineral which is found in nature. The product is essentially insoluble in water and no major effects on the environment are to be expected.

## **13. DISPOSAL CONSIDERATIONS**

Disposal as required by local regulations at an approved site (e.g. landfill).

## **14. TRANSPORT INFORMATION**

No special precautions are required. This product is not classified as dangerous during transport.

## **15. REGULATORY INFORMATION**

This product is not required to bear a hazard warning label.

## **16. OTHER INFORMATION**

In Denmark the following Guidance notes / Legislation provide useful information :

Maximum exposure level for all particles	10 mg/Nm <sup>3</sup> air.
Maximum exposure level for respirable dust	10 mg/Nm <sup>3</sup> air.

This Material Safety Data Sheet has been prepared following the requirements of the EU Directive 93/112/EU.

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