

INTERSERVICES UK

Unit 31, Kyle Road Industrial Estate, Irvine,
Ayrshire KA12 8LE

Tel: 01294 311066

MATERIAL SAFETY DATA SHEET

Product Name

Chemical Name

Alganite

Calcined Oil Shale

Mineral Composition

CAS No: (RN) 93685-99-5

<i>CALCITE:</i>	<i>30-40 %</i>
<i>QUARTZ</i>	<i>1-3 %</i>
<i>ANHYDRIDE</i>	<i>10-15%</i>
<i>CLAY MINERALS</i>	<i>36-53 %</i>
<i>FREE LIME</i>	<i>1%-2%</i>
<i>APATITE</i>	<i>5%-6%</i>

Analysis will vary slightly according to natural variations in the mined oil-shale.

HAZARDS IDENTIFICATION

SkinContact:

Eye Contact

Inhalation

Ingestion

Dry product may cause irritation, soreness, cracking of skin

Irritation, redness soreness Irritant dust

Non-toxic

Hazard Classification

Possible long-term effects of exposure: there are no known or foreseeable long-term effects. Long-term exposure to dust in excess of the O.E.S. (Occupational Exposure Standard) should be avoided, in order to comply with local regulations.

FIRST AID MEASURES

Skin Contact

Irrigate thoroughly with cold water and if symptoms persist seek medical attention

Eye Contact

Irrigate thoroughly with cold water. Seek medical attention

Inhalation

Remove person to fresh air, loosen clothing and seek expert medical advice.

Ingestion

Drink plenty of water.

FIRE-FIGHTING MEASURES

Non-Combustible

ACCIDENTAL RELEASE MEASURES

Sweep up spilt product and dispose of in accordance with local regulations. Avoid dust, and if necessary wear a dust mask.

HANDLING AND STORAGE

Handling

Handle using methods which minimise creation or dispersion of dust. Ensure adequate ventilation at the point of use. Use a dust mask where ventilation is not sufficient to keep the dust levels within the OEL value.

Storage

Store in a dry environment. Isolate to avoid contamination. Store away from substances subject to catalytic decomposition.

EXPOSURE CONTROL/PERSONAL PROTECTION

Hand protection

Suitable barrier cream and PVC or rubber gloves should be available for prolonged exposure.

Skin protection

Use normal workwear. No further skin protection required.

Eye Protection

Wearing of safety glasses is not necessary, but can be used.

Respiratory protection

None required. A dust mask should be used if product becomes dry and dust exposure limits (OES) cannot be met.

Occupational Exposure Limit

Dry powdered calcium carbonate (the major constituent) is classed as a nuisance dust with an 8 hour T.W.A. for total inhalable dust of 10mg/M³ and for respirable dust of 5mg/M³. Crystalline silica, present in minor quantities in this material, has a mandatory M.E.L. (Maximum Exposure Limit) of 0.4mg/M³ 8 hour T.W.A. respirable dust.

Analysis of the powdered material by HSE approved methods has shown the levels of crystalline silica in the respirable fraction of the dust to be less than 0.001 % and this would give a value significantly lower than the M.E.L.

Therefore the product can be considered a nuisance dust.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Odour	pH
<i>Cream granules or powder</i>	<i>Odourless</i>	<i>10-12</i>
Boiling Point	Melting Point	Flash Point
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>
Flammability	Explosion	Oxidation
<i>Not Flammable</i>	<i>Not explosive</i>	<i>None</i>
Vapour Pressure	Bulk Density	Solubility
<i>N/A</i>	<i>625-675 Kg/M3</i>	<i>Insoluble</i>

STABILITY AND REACTIVITY

Conditions to avoid	Materials to avoid	Hazardous Decomposition Products
<i>Avoid attrition or other physical damage which can increase dust</i>	<i>Product is stable. Avoid storage in contact with hydrogen peroxide or other materials whose decomposition is catalysed by dust.</i>	<i>None.</i>

TOXICOLOGY

May cause irritation to eyes, skin and respiratory tract if dry powder. No known chronic effects.

ECOLOGICAL AND DISPOSAL INFORMATION

There are no known ecological problems associated with this material. Dispose of in accordance with local and national regulations.

TRANSPORT INFORMATION

This product is not classified as hazardous.

REGULATORY INFORMATION

This product is not classified as a dangerous substance under the classification, packaging, and labelling of dangerous substances regulations.

The above information complies with EU Directive 88/379/EEC. COSHH regulations apply. Properties have been determined in accordance with the specifications of Part A, Annex V to Directive 67/548/EEC.