

## PRODUCT SAFETY DATA SHEET

### ABS0-PRO<sup>®</sup> L16

Prepared in accordance with Annex II of the REACH Regulation (EC) 1907/2006,  
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision Date: 10 April 2012

Version: 2.0/EN

Printing Date: 10 April 2012

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product Identifier

Trade name: ABS0-PRO<sup>®</sup> L16

REACH Registration Number: Exempted in accordance with Annex V.7

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

Oil Spill Absorbent

##### 1.3. Details of the supplier of the safety data sheet

GEOHELLAS  
Pentelis 8A, Palaio Faliro  
Athens 175 64  
GREECE  
Office: + 30 210 9490100  
Fax: + 30 210 9490283  
E-mail: info@geohellas.com

##### 1.4. Emergency telephone number: + 30 210 9490100

#### 2. HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance

This product does not meet the criteria for classification as hazardous according to EC Regulation 1272/2008 and Directive 67/548/EC as amended.

The product contains less than 1% w/w RCS (respirable crystalline silica) as determined by the SWeRF method ("Size-Weighted Respirable Fraction"). All details about the SWeRF method are available at [www.crystallinesilica.eu](http://www.crystallinesilica.eu).

##### 2.1.1. Classification according to Regulation (EC) 1272/2008

Not classified.

##### 2.1.2. Classification according to EU Directive 67/548/EEC

Not classified.

##### 2.2. Label elements

Observe the normal safety regulations when handling chemicals.

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials.

##### 2.2.1. Labeling according to Regulation (EC) 1272/2008

Not applicable

##### Hazard statements:

Not applicable

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**Precautionary statements:**

Not applicable

**Indication of danger:**

Not applicable

**Risk phrases:**

Not applicable

**Safety phrases:**

Not applicable

**2.3. Other hazards**

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

No other hazards identified.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This clay product is a UVCB substance sub-type 4.

**3.1. Substances**

Name	CAS Number	EINECS Number	Concentration Range
Attapulgite clay	12174-11-7	310-127-6*	>90%
Quartz	14808-60-7	238-878-4	<10%

(\*) As "naturally occurring substances"

**Impurities**

Not applicable for a UVCB substance.

**4. FIRST AID MEASURES****4.1. Description of first aid measures****General advice**

No known delayed effects.

**Following inhalation**

No first aid measures required; move source of dust or move person to fresh air. Seek medical advice in case of irritation.

**Following skin contact**

No first aid measures required; wash affected area with soap and water. Seek medical advice in case of irritation.

**Following eye contact**

Rinse eyes immediately with plenty of water. Seek medical advice in case of irritation.

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### Following ingestion

No first aid measures; clean mouth with water and drink afterwards plenty of water. Seek medical advice in case of irritation.

### 4.2. Most important symptoms and effects, both acute and delayed

Irritation of the eyes, because of dust entry. No delayed effects are anticipated, if first aid treatment is applied and is effective.

### 4.3. Indication of any immediate medical attention and special treatment needed

No need for immediate medical attention; follow the advice given in section 4.1

## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

#### 5.1.1. Suitable extinguishing media

Suitable extinguishing media: The product is not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### 5.1.2. Unsuitable extinguishing media

No restriction on the extinguishing media to be used in cases of fire in its vicinity.

### 5.2. Special hazards arising from the substance or mixture

The material is not flammable and it does not support fire. No hazardous thermal decomposition products.

### 5.3. Advice for fire fighters

Avoid generation of dust. Use breathing apparatus.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Ensure adequate ventilation.

Keep dust levels to a minimum.

The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid inhalation of dust – ensure that sufficient ventilation or suitable respiratory protective equipment is used, wear suitable protective equipment (see section 8).

#### 6.1.2. For emergency responders

Ensure adequate ventilation.

Keep dust levels to a minimum.

The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid inhalation of dust – ensure that sufficient ventilation or suitable respiratory protective equipment is used, wear suitable protective equipment (see section 8).

### 6.2. Environmental precautions

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No special requirement.

Contain the spillage. If product is released on the road, place signposts to divert traffic, and collect the spill mechanically avoiding dust generation.

### 6.3. Methods and material for containment and cleaning up

Avoid dust generation; avoid dry sweeping

Use vacuum suction unit, or shovel into bags.

### 6.4. Reference to other sections

For more information on exposure controls/personal protection or disposal considerations, please see Section 7 for information on safe handling, Section 8 for information on personal protection equipment, and Section 13 for information on disposal.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### 7.1.1. Protective measures

Keep dust levels to a minimum.

Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment refer to section 8 of this safety data sheet. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques, please contact your supplier or check the Good Practice Guide referred to in section 16.

#### 7.1.2. Advice on general occupational hygiene

Keep dust levels to a minimum.

General occupational hygiene measures are required to ensure safe handling of the substance. These measures involve good personal and housekeeping practices (i.e. regular cleaning with suitable cleaning devices), no drinking, eating and smoking at the workplace. Shower and change clothes at end of work shift. Do not wear contaminated clothing at home.

### 7.2. Conditions for safe storage, including any incompatibilities

Minimize airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

### 7.3. Specific end use(s)

If you require advice on specific uses, please contact your supplier or check the Good Practice Guide referred to in section 16.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Maintain personal exposure below occupational exposure limit for inhalable and respirable dust as dictated in the national legislation. The occupational exposure limit for respirable crystalline silica in EU countries is given in: <http://www.nepsi.eu>.

General threshold values for dust are:

- inhalable fraction: 10 mg/m<sup>3</sup>

- respirable fraction: 3 mg/m<sup>3</sup>

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing

#### 8.2.2. Individual protection measures, such as personal protective equipment

##### 8.2.2.1. Eye/face protection

Do not wear contact lenses. For powders, tight fitting goggles with side shields, or wide vision full goggles. It is also advisable to have individual pocket eyewash.

##### 8.2.2.2. Skin & hands protection

For skin, normal work clothes are appropriate.

For hands, appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.

##### 8.2.2.3. Respiratory protection

Regulate ventilation to keep dust levels below established threshold values. In case of prolonged exposure to airborne dust concentrations, a suitable particle filter mask that complies with the requirements of national legislation is recommended, depending on the expected exposure levels.

#### 8.2.3. Environmental exposure controls

All ventilation systems should be filtered before discharge to atmosphere. Avoid releasing to the environment. Contain the spillage.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Form:** Granules

**Color:** Reddish Beige

**Odour:** Odourless

**Odour threshold:** not applicable

**pH:** 8 (5% solids in water suspension at 20 °C)

**Melting point:** > 800°C

**Boiling point:** not applicable (solid with a melting point > 450 °C)

**Flash point:** not applicable (solid with a melting point > 450 °C)

**Evaporation rate:** not applicable (solid with a melting point > 450 °C)

**Flammability:** non flammable

**Explosive limits:** non explosive

**Vapour pressure:** not applicable (solid with a melting point > 450 °C)

**Vapour density:** not applicable

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**Specific gravity density:** 2.5 g/cm<sup>3</sup>

**Bulk density:** 0.6 g/cm<sup>3</sup>

**Solubility in water:** negligible

**Partition coefficient:** not applicable (inorganic substance)

**Auto ignition temperature:** not self-igniting

**Decomposition temperature:** not applicable

**Viscosity:** not applicable

**Solvent content:**

Organic solvents: 0.0 %

Water: 2-6 %

### 9.2. Other information

Not available

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Inert, not reactive.

### 10.2. Chemical stability

Chemically stable

### 10.3. Possibility of hazardous reactions

No hazardous reaction

### 10.4. Conditions to avoid

Product may become slippery when wet.

### 10.5. Incompatible materials

Avoid storing together with materials that may be affected by dust

### 10.6. Hazardous decomposition products

None.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

The product does not meet the criteria for classification as hazardous according to EC Regulation 1272/2008 and Directive 67/548/EC as amended.

The product contains less than 1% w/w RCS (respirable crystalline silica) (See section 2.1).

### Information on toxicological effects

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### Acute toxicity:

#### Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritant effect.

**Sensitization:** No sensitizing effect known.

### Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information known to us.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Acute/Prolonged toxicity to fish

No data available.

#### 12.1.2. Acute/Prolonged toxicity to aquatic invertebrates

No data available.

#### 12.1.3. Acute/Prolonged toxicity to aquatic plants

No data available.

#### 12.1.4. Toxicity to micro-organisms e.g. bacteria

No data available.

#### 12.1.5. Chronic toxicity to aquatic organisms

No data available.

#### 12.1.6. Toxicity to soil dwelling organisms

No data available.

#### 12.1.7. Toxicity to terrestrial plants

No data available.

#### 12.1.8. General effect

No specific adverse effects known

#### 12.1.9. Further information

None

### 12.2. Persistence and degradability

Not relevant for inorganic substances

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### 12.3. Bioaccumulative potential

Not relevant for inorganic substances

### 12.4. Mobility in soil

Almost insoluble and thus presents a low mobility in most soils.

### 12.5. Results of PBT and vPvB assessment

Not relevant for inorganic substances

### 12.6. Other adverse effects

No other adverse effects are identified

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

The residues/unused product can be disposed in landfills following national and local regulations. Dispose in such a way to avoid dust generation. Where possible, recycling should be preferred to disposal.

### Packaging

No specific requirements. In all cases dust formation from residues in the packaging should be avoided and suitable protection be assured.

## 14. TRANSPORT INFORMATION

The material is not classified as a dangerous substance and no restrictions apply for land/sea/air transportation. Avoid spreading dust.

### 14.1. UN-Number

Not relevant

### 14.2. UN proper shipping name

Not relevant

### 14.3. Transport hazard class(es)

ADR: Non hazardous  
IMDG: Non hazardous  
ICAO/IATA: Not restricted  
RID: Not classified

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not relevant

### 14.6. Special precautions for user

Avoid any release of dust during transportation, by using air-tight tanks for powders and covered

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trucks for pebbles.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not regulated.

## 15. REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance

**Authorizations:** Not required

**Restrictions on use:** None

**EC regulations:**

Observe the normal safety regulations when handling chemicals.

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials.

**Other EU regulations:** Product is not a SEVESO substance, not an ozone-depleting substance and not a persistent organic pollutant.

**National regulations:** Refer to the regulatory exposure limits for workforce enforced in each country (see Annex 1 and link in section 8).

**Water hazard class:** Generally not hazardous for water.

### 15.2. Chemical safety assessment

Product is exempted from REACH registration in accordance with Annex V.7.

## 16. OTHER INFORMATION

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

### 16.1. Hazard Statements

Not relevant

### 16.2. Precautionary Statements

Not relevant

### 16.3. Risk Phrases

Not relevant

### 16.4. Safety Phrases

Not relevant

### 16.5. Abbreviations

UVCB: Substances of Unknown or Variable composition, Complex reaction products or Biological materials

CAS: Chemical Abstracts Service

EINECS: European Inventory of Existing Commercial chemical Substances

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PBT: persistent, bioaccumulative, toxic chemical

vPvB: very persistent, very bioaccumulative chemical

SWeRF: Size-Weighted Respirable Fraction

### ***Disclaimer***

This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation (EC 1907/2006; article 31 and Annex II), as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.