

## Safety Data Sheet

Material Name Acti-Plex®

SDS ID: AM-002\_AP

### \*\*\*Section 1 - IDENTIFICATION\*\*\*

**Material Name:** Acti-Plex®

**Trade Names/Synonyms**

Hydrated Magnesium Aluminosilicate; Attapulgite; Palygorskite; Fuller's Earth

**Product Use**

Fillers, rheological additive, binder

**Restrictions on Use**

None known.

**Manufacturer Information**

Active Minerals International, LLC  
34 Loveton Circle  
Suite 100  
Sparks, MD 21152

Phone: +1-410-825-2920

Emergency # +1-410-825-2920

**Distributor Information – Australia**

AMI Australia  
Unit 6, 160 Fison Ave,  
Eagle Farm, QLD 4009  
Australia

Phone Number: +61 (7) 3870 0344

Emergency Phone Number: +61 (7) 3870 0344

Email: infoaustralia@activeminerals.com

**Distributor Information – Korea**

AMI Korea  
Room 309 Hyundai Etrebo Bldg  
852 Janghang-dong  
Ilsandong-gu, Goyang,  
Gyeonggi, Korea

Phone: 82 31 907 6097

**Distributor Information – Taiwan**

Active Minerals International, LLC  
2F., No.31, Sec. 2, Zhongyang S. Rd.,  
Beitou Dist., Taipei City 11270, Taiwan (R.O.C.)

Phone: 02-2898-6030

Fax: 02-2898-6038

### \*\*\*Section 2 - HAZARDS IDENTIFICATION\*\*\*

**GHS Classification**

None needed according to classification criteria.

**GHS LABEL ELEMENTS**

**Symbol(s)**

None needed according to classification criteria.

**Signal Word**

None needed according to classification criteria

**Hazard Statement(s)**

## Safety Data Sheet

**Material Name** Acti-Plex®

**SDS ID:** AM-002\_AP

None needed according to classification criteria.

### Precautionary Statement(s)

#### Prevention

None needed according to classification criteria.

#### Response

None needed according to classification criteria.

#### Storage

None needed according to classification criteria.

#### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Other Hazards which do not Result in Classification

Mechanical irritation may occur.

### \*\*\*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\*\*\*

CAS	Component	Percent
12174-11-7	Hydrated Magnesium Aluminosilicate	99 - 100
14808-60-7	Quartz	0 - 1

### Substance/mixture

Substance

### \*\*\*Section 4 - FIRST AID MEASURES\*\*\*

#### Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

#### Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

#### Eyes

Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

#### Ingestion

Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious or convulsive person.

#### Symptoms: Immediate

Mechanical irritation

#### Symptoms: Delayed

No information on significant adverse effects

### Indication of Immediate Medical Attention and Special Treatment

Treat symptomatically and supportively.

## Safety Data Sheet

Material Name Acti-Plex®

SDS ID: AM-002\_AP

### \*\*\*Section 5 - FIRE FIGHTING MEASURES\*\*\*

#### Extinguishing Media

Regular dry chemical, carbon dioxide, water spray, foam

#### Unsuitable Extinguishing Media

Do not scatter spilled material with high-pressure water streams.

#### Flammable Properties

Negligible fire hazard.

#### Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

#### Hazardous Combustion Products

**Combustion:** miscellaneous decomposition products

#### Protective Equipment and Precautions for Firefighters

Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

### \*\*\*Section 6 - ACCIDENTAL RELEASE MEASURES\*\*\*

#### Personal Precautions

Wear personal protective clothing and equipment, see Section 8.

#### Environmental Precautions

Avoid release to the environment.

#### Methods and Materials for Containment and Cleanup

Stop leak if possible without personal risk. Clean up residue with a high-efficiency particulate filter vacuum. Scoop spilled material into clean, dedicated equipment. Collect spilled material in appropriate container for disposal. Use methods to minimize dust. Avoid sweeping spilled dry material. If sweeping of a contaminated area is necessary, use a dust suppressant agent.

### \*\*\*Section 7 - HANDLING AND STORAGE\*\*\*

#### Handling Procedures - Technical measures

Use methods to minimize dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

#### Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Do not breathe dust. Do not eat, drink, or smoke when using this product. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.

#### Handling precautions for contact with incompatible substances or mixtures

Keep separated from incompatible substances. Incompatible materials include hydrofluoric acid.

#### Conditions for Safe Storage

Store and handle in accordance with all current regulations and standards. Avoid generating dust. Store between 4 °C and 100 °C. Store in area of low relative humidity.

**Incompatibilities:** hydrofluoric acid

#### Safe container/packaging material

No information available for the product.

## Safety Data Sheet

Material Name Acti-Plex®

SDS ID: AM-002\_AP

### \* \* \*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\* \* \*

#### Component Exposure Limits

##### Quartz (14808-60-7)

<b>Australia:</b>	0.1 mg/m3 TWA (respirable dust)
<b>Indonesia:</b>	0.1 mg/m3 TWA (respirable particulate)
<b>Korea:</b>	0.05 mg/m3 TWA (respirable fraction) 1A - Known Human Carcinogen based on human evidence (respirable fraction, Serial No. 264)
<b>Malaysia:</b>	0.1 mg/m3 TWA (respirable dust) ((30)/(%SiO <sub>2</sub> + 2) mg/m3 TWA ) total dust ; ((250)/(%SiO <sub>2</sub> + 5) mppcf TWA ) respirable fraction ; ((10)/(%SiO <sub>2</sub> + 2) mg/m3 TWA ) respirable fraction;
<b>Philippines:</b>	(250)/(%SiO <sub>2</sub> + 5) mppcf TWA, respirable; (10)/(%SiO <sub>2</sub> + 2) mg/m3 TWA, respirable; (30)/(%SiO <sub>2</sub> + 3) mg/m3 TWA, total dust
<b>Singapore:</b>	0.1 mg/m3 PEL (respirable dust)
<b>South Africa:</b>	0.4 mg/m3 TWA (respirable dust)
<b>Taiwan:</b>	10/(%SiO <sub>2</sub> +2) mg/m3 TWA (containing >10% free SiO <sub>2</sub> ), respirable dust; 30/(%SiO <sub>2</sub> +2) mg/m3 TWA (containing >10% free SiO <sub>2</sub> ), total dust; 1 mg/m3 TWA (containing <10% free SiO <sub>2</sub> , respirable dust); 4 mg/m3 TWA (containing <10% free SiO <sub>2</sub> , total dust)
<b>Thailand:</b>	TWA ((250)/(%SiO <sub>2</sub> + 5)), mppcf, respirable dust); TWA ((10)/(%SiO <sub>2</sub> + 2)), mg/m3, respirable dust); TWA ((30)/(%SiO <sub>2</sub> + 2)), mg/m3, total dust)
<b>ACGIH:</b>	0.025 mg/m3 TWA (respirable fraction)

##### Hydrated aluminium magnesium silicate (12174-11-7)

<b>Indonesia:</b>	1 mg/m3 TWA as Al (related to Aluminum insoluble compounds)
<b>ACGIH:</b>	1 mg/m3 TWA (respirable fraction, related to Aluminium insoluble compounds)

#### Engineering Controls

Provide local exhaust ventilation system. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Ensure compliance with applicable exposure limits.

#### PERSONAL PROTECTIVE EQUIPMENT

##### Eye Protection

Wear safety glasses with side shields. An emergency eye wash fountain may be provided.

##### Body Protection

Wear suitable protective clothing. Wash contaminated clothing before reuse.

##### Hands protection

Wear suitable gloves.

##### Respiratory Protection

If engineering controls do not maintain airborne concentrations to a negligible level, an approved respirator must be worn.

Any respirator with a high-efficiency particulate filter.

## Safety Data Sheet

Material Name Acti-Plex®

SDS ID: AM-002\_AP

### \*\*\*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\*\*\*

<b>Physical State:</b>	Solid	<b>Appearance:</b>	yellowish brown to gray powder
<b>Color:</b>	yellowish brown to gray	<b>Physical Form:</b>	powder
<b>Odor:</b>	Not available	<b>Odor Threshold:</b>	Not available
<b>pH:</b>	Not applicable	<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Flash Point:</b>	Not available
<b>Decomposition:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>LEL:</b>	Not available	<b>UEL:</b>	Not available
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density (air = 1):</b>	Not available
<b>Density:</b>	Not available	<b>Specific Gravity (water = 1):</b>	2.29
<b>Water Solubility:</b>	Mainly insoluble	<b>Log KOW:</b>	Not available
<b>Coeff. Water/Oil Dist:</b>	Not available	<b>Auto Ignition:</b>	Not available
<b>Viscosity:</b>	Not available	<b>Flammability (solid/gas):</b>	Not flammable

### Other Property Information

No additional information is available.

### \*\*\*Section 10 - STABILITY AND REACTIVITY\*\*\*

#### Reactivity

No reactivity hazard is expected.

#### Chemical Stability

Stable at normal temperatures and pressure.

#### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

#### Conditions to Avoid

Avoid generating dust. Avoid contact with incompatible materials.

#### Incompatible Materials

Hydrofluoric acid

#### Hazardous Decomposition

**Combustion:** miscellaneous decomposition products

### \*\*\*Section 11 - TOXICOLOGICAL INFORMATION\*\*\*

#### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

**Quartz (14808-60-7)**

Oral LD50 Rat 500 mg/kg

#### Immediate Effects

Mechanical irritation

#### Delayed Effects

Respiratory system damage

## Safety Data Sheet

Material Name Acti-Plex®

SDS ID: AM-002\_AP

### Irritation/Corrosivity Data

Mechanical irritation may occur.

### Respiratory Sensitizer

No information available for the product.

### Dermal Sensitizer

No information available for the product.

### Germ Cell Mutagenic Data

No information available for the product.

### Carcinogenicity

Acti-Plex®: Hydrated Magnesium Aluminosilicate (Fibers <5 micrometers) IARC Group 3: Not classifiable as to its carcinogenicity to humans

### Component Carcinogenicity

#### Hydrated Magnesium Aluminosilicate (12174-11-7)

**IARC:** Monograph 68 [1997] (short fibres <5 µm); Supplement 7 [1987] (Group 3 (not classifiable))

**OSHA:** Present

**ACGIH:** A4 - Not Classifiable as a Human Carcinogen (related to Aluminum insoluble compounds)

#### Quartz (14808-60-7)

**ACGIH:** A2 - Suspected Human Carcinogen

**IARC:** Monograph 100C [2012]; Monograph 68 [1997] (Group 1 (carcinogenic to humans))

**NTP:** Known Human Carcinogen (respirable size)

**OSHA:** Present (respirable size)

**NIOSH:** potential occupational carcinogen

### Reproductive Effects Data

No information available for the product.

### Specific Target Organ Toxicity - Single Exposure

No target organs identified.

### Specific Target Organ Toxicity - Repeated Exposure

Respiratory system

### Aspiration Hazard

No data available.

### Medical Conditions Aggravated by Exposure

Respiratory disorders, skin disorders, asthma

## \* \* \*Section 12 - ECOLOGICAL INFORMATION\* \* \*

### Ecotoxicity

#### Component Analysis - Aquatic Toxicity

No LOEL ecotoxicity data are available for this product's components.

### Persistence and Degradability

Not readily biodegradable.

### Bioaccumulation Potential

No information available for the product.

## Safety Data Sheet

Material Name Acti-Plex®

SDS ID: AM-002\_AP

### Mobility in Soil

Insoluble in water.

### Hazardous to ozone layer

No information available for the product.

## \*\*\*Section 13 - DISPOSAL CONSIDERATIONS\*\*\*

### Disposal Methods

Dispose in accordance with all applicable regulations.

### Disposal Guidelines

Empty containers may contain product residue. Dispose in accordance with all applicable regulations.

## \*\*\*Section 14 - TRANSPORT INFORMATION\*\*\*

### IATA Information

Not regulated as dangerous goods for transport.

### ICAO Information

Not regulated as dangerous goods for transport.

### IMDG Information

Not regulated as dangerous goods for transport.

### Special precautions

No additional information is available.

## \*\*\*Section 15 - REGULATORY INFORMATION\*\*\*

### Australia Regulations

#### Work Health and Safety Regulations - Prohibited Carcinogens

No component(s) are listed on the Prohibited Carcinogens list.

#### Work Health and Safety Regulations - Restricted Carcinogens

No component(s) are listed on the Restricted Carcinogens list.

#### Australia Work Health and Safety Regulations - Hazardous Chemicals Requiring Health Monitoring

None of this product's components are on the list.

### Indonesia Regulations

#### Hazardous and Poisonous Substances List

No component(s) are listed on the Hazardous and Poisonous Substances list.

#### Highly Toxic Chemicals - Quantity Limit Values

No component(s) are listed on the Highly Toxic Chemicals list.

#### Toxic Chemicals - Quantity Limit Values

No component(s) are listed on the Toxic Chemicals list.

### Japan Regulations

#### Industrial Safety and Health Law

The following substances are recognized as harmful according to the Enforcement Order of Industrial Safety and Health as administered by the Industrial Safety and Health Department in the Labor Standards Bureau of the ministry of Health, Labor and Welfare of Japan:

## Safety Data Sheet

**Material Name** Acti-Plex®

**SDS ID:** AM-002\_AP

**Quartz (14808-60-7)**

**SDS preparation is required:** >0.1 % weight [Table 9, 312]

### **Japan Designated Chemical Substances (PRTR Law)**

The following components are subject to reporting requirements as specified by the "Law Concerning Reporting, etc. of Releases to the Environment of Specific Chemical Substances and Promoting Improvements in Their Management" and are included in the "Pollutant Release and Transfer Register (PRTR)" of designated chemicals:

### **Fire Service Law**

No components are subject to specific limitations on storage and handling to minimize the damage done by fire, earthquake or other disasters and set forth by the Fire Service Law.

### **Marine Pollution Prevention Law**

The following component(s) are listed on the Marine Pollution Prevention Law:

### **Korea Regulations**

#### **Industrial Safety and Health Act**

No component(s) of this product are identified in the Industrial Safety and Health Act.

#### **Dangerous Materials Safety Control Act**

No component(s) of this product are identified in the Dangerous Materials Safety Control Act.

#### **Other requirements in domestic and other countries**

No data available.

### **Waste Management Act**

No component(s) of this product are identified in the Waste Management Act.

### **Malaysia Regulations**

#### **Malaysia Poisons List**

No component is listed on the Malaysia Poisons List.

### **Philippines Regulations**

#### **Philippines - Air Quality**

No component(s) of this product are identified.

#### **Philippines - Priority Chemical List**

No component(s) of this product are identified in the Priority Chemical List.

### **Singapore Regulations**

#### **List of Hazardous Substances**

No information was found for the substance(s) on the List of Hazardous Substances.

### **South Africa Regulations**

#### **Notifiable Substances**

No component(s) of this product are identified in the Notifiable Substances list.

### **Taiwan Regulations**

#### **Toxic Chemical Substances Control Act**

No component(s) of this product are identified in the Toxic Chemical Substances Control Act.

### **Surface Water Body Classification and Water Quality Standards**

No components of this material are listed.

### **Effluent Discharge Standards**

No component(s) of this product are identified in the Effluent Discharge Standards.



## Safety Data Sheet

**Material Name Acti-Plex®**

**SDS ID: AM-002\_AP**

### Waste Disposal Act - TCLP Leaching Standards

No component(s) of this product are identified in the Waste Disposal Act.

### Agro-pesticide Management Act

None of this product's components are on the list.

### Hazard Prevention Standard for Specified Chemical Substances

No component(s) of this product are identified in the Hazard Prevention Standard for Specified Chemical Substances.

### Ozone Depleting Substances

No component(s) of this product are identified on the Ozone Depleting Substances list.

### Dangerous and Harmful Chemicals Labelling and Hazard Communication Rules

The following component(s) of this material are listed:

Attapulgit 12174-11-7  
Present

### Thailand Regulations

#### Thailand Hazardous Substances

No components are listed on the Thailand Hazardous Substances List.

### Vietnam Regulations

#### Law on Chemicals - Annex I - Conditional Chemicals

This product contains no components identified on Vietnam's Law on Chemicals Annex I - Conditional Chemicals.

#### Law on Chemicals - Annex II - Restricted Chemicals

This product contains no components identified on Vietnam's Law on Chemicals Annex II - Restricted Chemicals.

#### Law on Chemicals - Annex III - Prohibited Chemicals

This product contains no components identified on Vietnam's Law on Chemicals Annex III - Prohibited Chemicals.

#### Law on Chemicals - Annex IV - Chemicals Subject to Developing an Incident Prevention and Response Plan

This product contains no components identified on Vietnam's Law on Chemicals Annex IV - Chemicals Subject to Developing an Incident Prevention and Response Plan.

#### Law on Chemicals - Annex V - Chemicals Subject to Notification

This product contains no components identified on Vietnam's Law on Chemicals Annex V - Chemicals Subject to Notification.

### Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Hydrated Magnesium Aluminosilicate	12174-11-7	No	No	No	Yes	Yes	No	No	Yes	Yes
Quartz	14808-60-7	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes

### \* \* \*Section 16 - OTHER INFORMATION\* \* \*

### Summary of Changes

Updated: October 11, 2016

## Safety Data Sheet

Material Name Acti-Plex®

SDS ID: AM-002\_AP

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling and Packaging; DOT - Department of Transportation; EINECS - European Inventory of Existing Commercial Chemical Substances; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; JP - Japan; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NTP = National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

### Other Information

The information set forth in this Safety Data Sheet does not purport to be all-inclusive and should be used only as a guide. While the information and recommendations set forth herein are believed to be accurate, the company makes no warranty regarding such information and recommendations and disclaims all liability from reliance thereon.

End of Sheet AM-002\_AP