

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product identifier

Trade Name: MONOKOTE® ACCELERATOR

MSDS ID Number: Z-01820

Details of the supplier of the material safety data sheet

Manufacturer/Supplier:

Arabian Vermiculite Industries
P.O. Box 7137, Dammam 31462,
Saudi Arabia

In case of emergency, contact: Arabian Vermiculite Industries +966 13 847 1450

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Hazardous components:		
10043-01-3	Aluminium sulphate	50-100%

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 3 – HAZARD(S) IDENTIFICATION

Information concerning hazards for human and environment:

Risk of serious damage to eyes.

Safety phrases:

Do not breathe dust.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye protection.

See Section 13 for disposal information.

Inhalation: Causes respiratory tract irritation.

Eye Contact: Causes serious eye damage.

Skin Contact: Harmful in contact with skin and if swallowed.

Skin Absorption: Not expected to be harmful if absorbed through the skin.

Ingestion:

Harmful if swallowed.

If ingested, causes irritation or burns to the linings of the mouth, esophagus and stomach

NFPA ratings (scale 0 - 4)



Health = 2

Fire = 0

Reactivity = 0



HMSI-ratings (scale 0 – 4)

Health = *2

Flammability = 0

Reactivity = 0

SECTION 4 – FIRST-AID MEASURES

After inhalation:

If symptoms develop, supply fresh air. If required, provide artificial respiration and seek immediate medical treatment.

After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

After eye contact:

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

After swallowing:

Do not induce vomiting; immediately call for medical help.

SECTION 5 – FIRE-FIGHTING MEASURES

Special hazards arising from the substance or mixture: No further relevant information available.

Additional information: Collect contaminated firefighting water separately. It must not enter the sewage system.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Methods and material for containment and cleaning up:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container. Sweep up spilled product into receptacles.

Dispose contaminated material as waste according to section 13 of the MSDS.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7 – HANDLING AND STORAGE**Handling:****Precautions for safe handling**

Risk of serious damage to eyes.

Open and handle receptacle with care.

Prevent formation of dust.

Information about protection against explosions and fires:

Empty containers may retain hazardous residue, both liquid and vapor.

Storage:

Information about storage in one common storage facility: No special measures required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s): No further relevant information available.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.

Components with limit values that require monitoring at the workplace:**1317-65-3 Calcium carbonate**

REL	2 mg/m ³ as Al
TLV	1* mg/m ³ As Al; *as respirable fraction

Additional information: The lists that were valid during the creation were used as basis.

Personal protective equipment:

General protective and hygienic measures: Avoid contact with the eyes and skin.

Breathing equipment: In case of brief exposure or low pollution use respiratory filter device.

Protection of hands:

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves:

Gloves should be impermeable and resistant to the product. Selection of material should be considered before use.

Eye protection:



Protective goggles

Body protection: Protective work clothing

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General information	
Appearance:	
Form:	Solid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value at 20°C (68 °F):	~4
Change in condition	
Melting point/Melting range:	Undetermined.
Flash point: Not applicable.	Not applicable.
Flammability (solid, gaseous):	Product is not flammable.
Decomposition temperature:	Not determined.
Auto igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
VOC Content (max):	Not determined.
Vapor pressure:	Not applicable.
Density at 20°C (68 °F):	~1.6 g/cm ³ (~13.352 lbs/gal)
Vapour density:	Not applicable.
Evaporation rate:	Not applicable.
Solubility in / Miscibility with Water:	Insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information	No further relevant information available.

SECTION 10 – STABILITY AND REACTIVITY

Thermal decomposition: No decomposition if used according to specifications.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

Additional information: See section 7 for information on handling, storage and conditions to be avoided.

SECTION 11 – TOXICOLOGICAL INFORMATION

Prolonged and or massive exposure to respirable crystalline silica containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

10043-01-3 Aluminum sulphate

Dermal	LD50	6 200 mg/kg (mic)
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Primary irritant effect:

on the eye: No irritating effect expected

SECTION 12 – ECOLOGICAL INFORMATION

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Additional ecological information:

General notes: Slightly hazardous for water

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

Comply with Federal, State and local regulations.

Recommendation:



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

SECTION 14 – TRANSPORT INFORMATION

UN-Number

DOT, ADR, ADN, IMDG, IATA Not applicable.

UN proper shipping name

DOT, ADN, IMDG, IATA Not applicable

ADR Not applicable.

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class Not applicable.

Packing group

DOT, ADR, IMDG, IATA Not applicable.

Environmental hazards:

Marine pollutant: No

Special precautions for user Not applicable.

Transport/Additional information:

DOT

Remarks: Not Regulated.

SECTION 15 – Regulatory Information

SARA (Superfund Amendments and Reauthorization Act)

Section 302/304 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

None of the ingredients is listed.

SARA Section 312/Tier I & II Hazard Categories:

Health Delayed (chronic)	Yes
Health Immediate (acute)	Yes
Flammable	No
Reactive	No
Pressure	No

North America Chemical Inventory Status

TSCA (Toxic Substances Control Act - United States):

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

California Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

WHMIS Classification(s):

D2A – Very toxic material causing other toxic effects.



Carcinogenicity Categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

IARC (International Agency for Research on Cancer) Human Carcinogenicity:

Group 1- Positive, Group 2A- Probable, Group 2B- Possible, Group 3- Not Classifiable

None of the ingredients is listed.

NTP (National Toxicology Program)

K–Known to be carcinogenic, R–May reasonably be anticipated to be carcinogenic

None of the ingredients is listed.

TLV-ACGIH (THE American Conference of Governmental Industrial Hygienists) Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable

None of the ingredients is listed.

OSHA-Cancer (Occupational Safety & Health Administration)

None of the ingredients is listed.

Volatile Organic Compounds (VOC) reported per the Emission Standards for Architectural Coatings: If no g/L is provided this product is not subject to above standard.

European EINECS

All ingredients are listed.

Philippines Inventory of Chemicals and Chemical Substances PICCS
All ingredients are listed.
Inventory of Existing Chemical Substances manufactured or imported in China IECSC
All ingredients are listed.
Australian Inventory of Chemical Substances AICS
All ingredients are listed.
Japan Existing and New Chemical Substance List ENCS
All ingredients are listed.
Korean Existing Chemical Inventory
All ingredients are listed.

SECTION 16 – OTHER INFORMATION

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."