



Polymer Add (Thailand) Co; Ltd.

Safety Data Sheet ALUMINIUM SILICATE

Revision date :
Version : 3.0

Page: 1/7

NUMBER

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

1.1 Product identifiers

Chemical Name	ALUMINIUM SILICATE
CAS NO.	12141-46-7

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

1. ALS-162 is moisture scavenger for plastic and coating systems
2. ALS-162 is used as filler in Paints
3. ALS-162 is used as reinforcing agent in rubber

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalarempriakiat, Lor 9, Soi 22, Yak
5, Nongbon, Prawet, Bangkok
Bangkok - 10250
Thailand
Telephone : 0804531391
Email - contact@polymeradd.co.th

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical and Chemical Hazards	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Human Health	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Environment	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Not a hazardous substance	

2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Label elements	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
According to European Directive 67/548/EEC as amended	Not a hazardous substance

2.3 Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
-------------------	--

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Safety Data Sheet ALUMINIUM SILICATE

Revision date :
Version : 3.0

Page: 2/7

NUMBER

Component

Chemical Name	ALUMINIUM SILICATE
CAS NO	12141-46-7
EC Number	235-253-8
Molecular Formula	Al ₂ SiO ₅
Molecular Weight	162.04
Concentration	Min 93%

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Safety Data Sheet ALUMINIUM SILICATE

Revision date :
Version : 3.0

Page: 3/7

NUMBER

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

No data available

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.4 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Safety Data Sheet ALUMINIUM SILICATE

Revision date :
Version : 3.0

Page: 4/7

NUMBER

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

Wear dust mask when handling large quantities.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	Dry powder
b) Odour	no data available
c) Odour Threshold	no data available
d) pH (% solution in water)	no data available
pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid or gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Autoignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

9.2 Other safety information

10 STABILITY AND REACTIVITY

Safety Data Sheet ALUMINIUM SILICATE

Revision date :
Version : 3.0

Page: 5/7

NUMBER

10.1	Reactivity	no data available
10.2	Chemical stability	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions	no data available
10.4	Conditions to avoid	no data available
10.5	Incompatible materials	no data available
10.6	Hazardous decomposition products	no data available

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	no data available
Acute Inhalation toxicity	no data available
Acute dermal toxicity	no data available
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	no data available
Reproductive toxicity	no data available
Specific target organ toxicity - single exposure	no data available
Specific target organ toxicity - repeated exposure	no data available
Aspiration hazard	no data available

12 ECOLOGICAL INFORMATION

12.1	Toxicity	no data available
	Toxicity to fish	no data available
	Toxicity to daphnia and other aquatic invertebrates	no data available
	Toxicity to Algae/Aquatic plants	no data available
	Toxicity to microorganisms	no data available
12.2	Persistence and degradability	
	Biodegradation	

Safety Data Sheet ALUMINIUM SILICATE

Revision date :
Version : 3.0

Page: 6/7

NUMBER

no data available

12.3	Bio accumulative potential	no data available
12.4	Mobility in soil	no data available
12.5	Results of PBT and vPvB assessment	no data available
12.6	Other adverse effects	no data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing.
Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning.
Alternatively, the packaging can be punctured to make it
Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID	IMDG	IATA
no data available	no data available	no data available

14.2 UN proper shipping name

ADR/RID	IMDG	IATA
no data available	no data available	no data available

14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA
no data available	no data available	no data available

14.4 Packaging group

ADR/RID	IMDG	IATA
no data available	no data available	no data available

14.5 Environmental hazards

ADR/RID	IMDG Marine pollutant	IATA
no data available	no data available	no data available



Safety Data Sheet
ALUMINIUM SILICATE

Revision date :

Page: 7/7

Version : 3.0

NUMBER

14.6 Special precautions for user no data available

15 REGULATORY INFORMATION

15.1 Safety health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment

No data available

16 OTHER INFORMATION

Month of Creation March 2023

Month of Revision March 2027