

Safety Data Sheet

SODIUM ALUMINIUM SILICATE

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NUMBER

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

1.1 Product identifiers

Chemical Name SODIUM ALUMINIUM SILICATE
(PRECIPITATED)

CAS NO. 1344-00-9

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

1. Its small primary particle size and high degree of whiteness make SAS-202 especially suitable for use as a white pigment in Waterborne dispersion paints Solvent based paints, Industrial coatings, Lacquers, Printing inks.
2. SAS-202 improved levels of whiteness and hiding power (opacity)of the paint.
3. SAS-202 provides cost reduction as titanium dioxide is partially replaced.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalaremprakiat, 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

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

2.3 Other hazards

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name SODIUM ALUMINIUM SILICATE (PRECIPITATED)

CAS NO 1344-00-9

EC Number 215-684-8

Molecular Formula $AlNaO_6Si_2$

Molecular Weight 202.13

Concentration

4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled Inhalation can cause irritation to respiratory

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system

In case of skin contact

May cause irritation and dehydration

In case of eye contact

Causes irritation to eyes.

If swallowed

No adverse health effects anticipated by this route during proper industrial handling.

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

Not Applicable

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters

Not Applicable

5.4 Further information

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

In case of dust formation use dust mask. This product does not present any particular risk to the environment.

6.2 Environmental precautions

Refer to applicable national, state and local regulations prior to washing in drain.

6.3 Methods and materials for containment and cleaning up

Collect as much as possible in a clean container for preferable reuse or disposal. Avoid dust generation. Do not allow material to escape into drains or waterways.

6.4 Reference to other sections

No data available

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash thoroughly after using this product. Do not eat, drink, smoke or apply cosmetics while handling this product.

Avoid breathing dust or particles generated by this product. Use in a well-ventilated location.

Remove contaminated clothing after being in contact with the product. Employees who handle this material should be trained to handle it safely

Open containers slowly on a stable surface. Containers of this product must be properly labeled.

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Empty containers may contain residual amounts of this product, therefore, empty containers should be handled with care

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Store containers in a dry location. Store away from incompatible materials. Keep container tightly closed when not in use. Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged.

7.4 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Personal protective equipment

In case of dust formation use dust mask

Eye/face protection

Splash goggles or safety glasses with side shields

Hands protection

Wear rubber gloves for routine industrial use.

Skin protection

Use body protection appropriate for task

Body Protection

Use body protection appropriate for task

Respiratory protection

If respiratory protection is needed, such as during emergency response to uncontrolled releases, use only protection authorized in 29 CFR 1910.134, applicable U.S. State regulations or the appropriate standard of Canada and its provinces. Advice on respiratory protective equipment is given in British standards BS 2091 and BS 4275 and the HSE publication HS (g) 53. In the USA, ASTM E1156-88 (re-approved 1993) specifies standards practice for handling amorphous silicate

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White powder
b) Odour	Odourless
c) Odour Threshold	Not Applicable
d) pH (% solution in water)	9-11

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pH	Not Applicable
e)Melting point/freezing point	Not Determined
f)Initial boiling point and boiling range	Not Applicable
g)Flash point	Not Applicable
h)Evaporation rate	Not Applicable
i)Flammability (solid or gas)	Not Applicable
j)Upper/lower flammability or explosive limits	Not Applicable
k)Vapour pressure	Not Applicable
l)Vapour density	Variable
m)Relative density	Not Applicable
n)Water solubility	Insoluble
o)Partition coefficient: n-octanol/water	Not Determined
p)Autoignition temperature	Not Applicable
q)Decomposition temperature	Not Applicable
r)Viscosity	Not Applicable
s)Explosive properties	Not Applicable
t)Oxidizing properties	Not Applicable

9.2 Other safety information

10 STABILITY AND REACTIVITY

10.1	Reactivity	
10.2	Chemical stability	Product is stable
10.3	Possibility of hazardous reactions	
10.4	Conditions to avoid	None known
10.5	Incompatible materials	
10.6	Hazardous decomposition products	None

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	LD 50 (ORAL ,RAT)= >10000 mg/kg LD 50 (ORAL,MICE) => 150000 mg/Kg
Respiratory or skin sensitization	The components of this product are not known to be sensitizers with repeated or prolonged use.

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Germ cell mutagenicity

This product is not reported to produce mutagenic, embryotoxic, and teratogenic effects in humans.

Reproductive toxicity

This product is not reported to cause reproductive effects in humans.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish

EC0: >10000 PPM (rainbow trout), EC0: >10000 PPM (freshwater fish)

Toxicity to daphnia and other aquatic invertebrates

EC0 : >1000 PPM (daphnia magna)

12.2 Persistence and degradability

12.3 Bio accumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Waste disposal in accordance with regulations (most probably controlled landfill).

Contaminated packaging

According to local regulations

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID

-

IMDG

-

IATA

-

14.2 UN proper shipping name

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID

-

IMDG

-

IATA

-

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14.4 Packaging group

ADR/RID

IMDG

IATA

-

-

-

14.5 Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

no

no

no

14.6 Special precautions for user

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