

Safety Data Sheet

ALUMINUM HYDROXY 2(4-TERTIARYBUTYL) BENZOATE

Revision date :

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NUMBER

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

1.1 Product identifiers

Chemical Name ALUMINUM HYDROXY-DI-P-TERT-BUTYLBENZOATE

CAS NO. 13170-05-3

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

1. AL-PTTBA is suitable nucleating agent for polypropylene, PET, PBT and polyamides, Polyolefins, Polyesters, Polyoxymethylene and thermoplastic polyurethanes.

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 none
none

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

Label elements none

Hazard statement(s) none

Precautionary statement(s) none

2.3 Other hazards none

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name Aluminum, bis(4-(1-1 dimethylethyl) benzoate-O)hydroxide

CAS NO 13170-05-3

EC Number 236-109-7

Molecular Formula C₂₂H₂₇AlO₅

Molecular Weight 398.42

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Concentration 100%

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Take affected persons out of danger area and lay down.

If inhaled

Supply fresh air; consult doctor in case of complaints.

In case of skin contact

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

In case of eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses, if present and easy to do. Continue rinsing

If swallowed

Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

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

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released: Carbon monoxide, Carbon dioxide

5.3 Advice for firefighters

Wear self-contained respiratory protective device and protective clothing to avoid contact with skin and eyes.

5.4 Further information

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

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Ensure adequate ventilation Wear protective clothing. Avoid formation of dust. Keep away from ignition sources.

6.2 Environmental precautions

No special measures required

6.3 Methods and materials for containment and cleaning up

Pick up mechanically. Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Prevent formation of dust. Any unavoidable deposit of dust must be regularly removed. Ensure good ventilation/exhaustion at the workplace.

7.2 Information about protection against explosions and fires

Dust can combine with air to form an explosive mixture. Keep ignition sources away - Do not smoke. Protect against electrostatic charges

7.3 Conditions for safe storage including any incompatibilities

Store only in the original receptacle.

7.4 Specific end use(s)

No further relevant information available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure control

x

Personal protective equipment

Do not eat, drink, smoke or sniff while working. Keep away from foodstuffs, beverages and feed. The usual precautionary measures are to be adhered to when handling chemicals.

Eye/face protection

Safety glasses

Hands protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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Body Protection

Protective work clothing

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation. Filter P3

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White fine powder
b) Odour	Odourless
c) Odour Threshold	no data available
d) pH (% solution in water)	no data available
e) Melting point/freezing point	?300°C
f) Initial boiling point and boiling range	Not determined.
g) Flash point	Not applicable.
h) Evaporation rate	no data available
i) Flammability (solid or gas)	Product is not flammable.
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	Not applicable.
l) Vapour density	Not determined.
m) Relative density	Not determined.
n) Water solubility	Insoluble.
o) Partition coefficient: n-octanol/water	Not determined.
p) Autoignition temperature	Product is not selfigniting.
q) Decomposition temperature	Not determined.
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

9.2 Other safety information

Bulk Density	100-300 kg/m3
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10 STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

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10.3	Possibility of hazardous reactions	No dangerous reactions known.
10.4	Conditions to avoid	No decomposition if used according to specifications
10.5	Incompatible materials	
10.6	Hazardous decomposition products	No dangerous decomposition products known

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No relevant information available
Skin corrosion/irritation	No relevant information available
Serious eye damage/eye irritation	No relevant information available
Respiratory or skin sensitization	No relevant information available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	No relevant information available
Toxicity to daphnia and other aquatic invertebrates	No relevant information available
Toxicity to Algae/Aquatic plants	No relevant information available
Toxicity to microorganisms	No relevant information available

12.2 Persistence and degradability

Biodegradation

No relevant information available

12.3	Bio accumulative potential	no data available
12.4	Mobility in soil	No relevant information available
12.5	Results of PBT and vPvB assessment	Not determined
12.6	Other adverse effects	No relevant information available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Must be specially treated adhering to official regulations.

Contaminated packaging

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Disposal must be made according to official regulations.

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID

no data available

IMDG

no data available

IATA

no data available

14.2 UN proper shipping name

ADR/RID

no data available

IMDG

no data available

IATA

no data available

14.3 Transport hazard class(es)

ADR/RID

no data available

IMDG

no data available

IATA

no data available

14.4 Packaging group

ADR/RID

no data available

IMDG

no data available

IATA

no data available

14.5 Environmental hazards

ADR/RID

no data available

IMDG Marine pollutant

no data available

IATA

no data available

14.6 Special precautions for user

Not applicable

15 REGULATORY INFORMATION

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

The components of this product are reported in the following inventories: TSCA, EINECS, ECL, AICS, NZIoC, IECSC, ENCS, DSL/NDSL, ECN

15.2 Chemical Safety Assessment

No data available

16 OTHER INFORMATION

Month of Creation

March 2023.

Month of Revision

March 2027.