

## Safety Data Sheet

### ALUMINUM HYDROXY 2(4-TERTIARYBUTYL) BENZOATE

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## 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, 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

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 C<sub>22</sub>H<sub>27</sub>AlO<sub>5</sub>

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

CO<sub>2</sub>, 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.

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**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

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**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/m <sup>3</sup>
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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
<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>	
<b>11.1</b>	<b>Information on toxicological effects</b>	
	<b>Acute toxicity</b>	No relevant information available
	<b>Skin corrosion/irritation</b>	No relevant information available
	<b>Serious eye damage/eye irritation</b>	No relevant information available
	<b>Respiratory or skin sensitization</b>	No relevant information available
<b>12</b>	<b>ECOLOGICAL INFORMATION</b>	
<b>12.1</b>	<b>Toxicity</b>	
	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
<b>12.2</b>	<b>Persistence and degradability</b>	
	<b>Biodegradation</b>	No relevant information available
<b>12.3</b>	Bio accumulative potential	no data available
<b>12.4</b>	Mobility in soil	No relevant information available
<b>12.5</b>	Results of PBT and vPvB assessment	Not determined
<b>12.6</b>	Other adverse effects	No relevant information available
<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>	
<b>13.1</b>	<b>Waste treatment methods</b>	
	<b>Product</b>	Must be specially treated adhering to official regulations.
	<b>Contaminated packaging</b>	

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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.