

Safety Data Sheet
ALUMINIUM BENZOATE

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Version : 3.0

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

1.1 Product identifiers

Chemical Name	Aluminium benzoate
CAS NO.	555-32-8

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

1. Most widely used fuel in modern pyrotechnics; produces a brilliant, bright flame.
2. It is used as nucleating agent in manufacturer polycarbonate polymer.

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

Human Health	Skin irritation (Category 2) Eye irritation (Category 2A)
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Not applicable.

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

Pictogram



Signal word

Warning.

H315
H319
H335

Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

P261

Avoid breathing dust/ fume/ gas/ mist/ vapours/
spray

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for
several minutes. Remove contact lenses,
Continue rinsing

**According to European Directive 67/548/EEC
as amended**

No data available

2.3 Other hazards

None.

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3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	Aluminium benzoate
CAS NO	555-32-8
EC Number	209-091-3
Molecular Formula	C ₂₁ H ₁₅ AlO ₆
Molecular Weight	390.34
Concentration	98 % Min.

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	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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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.
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5.2 **Special hazards arising from the substance or mixture** No data available.

5.3 **Advice for firefighters** Wear self contained breathing apparatus for fire fighting if necessary.

5.4 **Further information** No data available.

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.
Avoid breathing dust.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes.
Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
Normal measures for preventive fire protection.

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

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8.2 Exposure control

No data available.

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).

Hands protection

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.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White Crystalline solid
b) Odour	No data available.
c) Odour Threshold	No data available.
d) pH (% solution in water)	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.

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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

Bulk Density	No data available.
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10 STABILITY AND REACTIVITY

10.1 Reactivity	No data available.
10.2 Chemical stability	No data available.
10.3 Possibility of hazardous reactions	No data available.
10.4 Conditions to avoid	No data available.
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute 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	No data available.

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exposure

Signs and symptoms of exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Aspiration hazard

No data available.

Inhalation

May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin

Causes skin irritation.

Eyes

Causes eye irritation.

RTECS

No data available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 **Persistence and degradability**

Biodegradation

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

Offer surplus and non-recyclable solutions to a licensed disposal company.
Contact a licensed professional waste disposal service to dispose of this material.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14 TRANSPORT INFORMATION

14.1 **UN number**

ADR/RID

IMDG

IATA

-

-

-

14.2 **UN proper shipping name**

ADR/RID

IMDG

IATA

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Not dangerous goods Not dangerous goods Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA
-	-	-

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 No data available.

15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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