

Safety Data Sheet

SODIUM 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	Sodium Benzoate
CAS NO.	532-32-1

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

1. Sodium Benzoate Micronised is used as Nucleating agent in Polypropylene

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	-
Human Health	Eye irritation (Category 2), H319
Environment	-
Xi	Irritant R36

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

Pictogram



Signal word

Warning

H319

Causes serious eye irritation.

P264
P280

Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338

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

P337 + P313

If eye irritation persists: Get medical advice/attention.

Hazard symbol(s)

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R-phrases(s)

R36

Irritating to eyes.

S-phrases(s)

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other hazards

Dust may cause mechanical irritation. Possibility of explosion exists under dusty condition.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	Sodium Benzoate
CAS NO	532-32-1
EC Number	208-534-8
Molecular Formula	C ₇ H ₅ NaO ₂
Molecular Weight	144.1 g/mol
Concentration	99 % Min. (Other impurities upto 1%)

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Remove contaminated, soaked clothing immediately.

If inhaled

Remove affected person to fresh air.
Seek medical attention, if necessary.

In case of skin contact

Immediately, wash off with plenty of water.
Get medical attention, if necessary.

In case of eye contact

Rinse out with plenty of water with the eyelid held wide open.
Call in ophthalmologist, if symptoms occur.

If swallowed

Wash mouth well with water.
Seek medical advice, if necessary.

4.2 Most important symptoms and effects, both acute and delayed

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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

Carbon dioxide, dry powder, Water spray.

5.2 Special hazards arising from the substance or mixture

Fine dust clouds may form explosive mixtures with air.
Development of hazardous combustion gases or vapours possible in the event of fire such as: Carbon monoxide, carbon dioxide, sodium oxide.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus.
Avoid substance contact.
Ensure adequate ventilation.
Keep away from sources of ignition.
Take precautionary measures against static discharges.
Use explosion-proof electrical equipment.

5.4 Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid generation of dusts; do not inhale dusts.
Avoid substance contact.
Ensure adequate ventilation.
Keep away from sources of ignition.
Take precautionary measures against static discharges.
Use explosion-proof electrical equipment.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Sweep into container for spilled material.
Avoid raising dusts.
Flush spilled area with water.
Cover drains.
Observe possible material restrictions (see sections 7.2 and 10.5) Dispose of properly.
Clean up affected area.

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6.4 Reference to other sections

Indications about waste treatment see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Observe label precautions.

7.2 Information about protection against explosions and fires

Ensure good ventilation/exhaustion of the workplace.

Do not store together with auto-igniting material.

Take measures against electrostatic discharge.

Store away from sources of ignition.

Avoid raising dusts.

Keep containers tightly closed.

7.3 Conditions for safe storage including any incompatibilities

No data available.

7.4 Specific end use(s)

Apart from the use mentioned in section 1.2 no other specific uses are stipulated.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients Comments

-

8.2 Exposure control

Engineering measures and appropriate working operations should be given priority the use of personal protective equipment.

Appropriate engineering controls

Use explosions-proof electrical (ventilating, lighting and material handling) equipment.

Technical measures/Precautions

-

Personal protective equipment

Use explosions-proof electrical (ventilating, lighting and material handling) equipment.

Eye/face protection

Tightly fitting safety goggles accord. To EN166:2001.

Ensure eye bath is to hand.

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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.

Skin 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

Protective clothing.

Respiratory protection

Required when dusts are generated.

Recommended Filter type: Filter P2.

Control of environmental exposure

Do not let product enter drains.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White Powder
b) Odour	Odourless
c) Odour Threshold	Not applicable.
d) pH (% solution in water)	7 to 9 (100g/l at 20 Deg C)
pH	Not Applicable.
e) Melting point/freezing point	410 - 436 Deg C
f) Initial boiling point and boiling range	450-475 Deg C, decomposes with no boiling.
g) Flash point	Closed Cup > 100 Deg C
h) Evaporation rate	Not Applicable.
i) Flammability (solid or gas)	Not Applicable.
j) Upper/lower flammability or explosive limits	Not Applicable.

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k)Vapour pressure	< 0.01 hPa at 20 Deg C
l)Vapour density	<0.01 hPa
m)Relative density	1.5 g/cm ³ at 20 Deg C
n)Water solubility	62.78 gm / 100 ml at 15 Deg C
o)Partition coefficient: n-octanol/water	Log Pow: -2.27 (calculated)
p)Autoignition temperature	>500°C
q)Decomposition temperature	450-475 Deg C
r)Viscosity	Kinematic and/or Dynamic : Not Applicable.
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	The product is chemically stable under standard ambient conditions.
10.3 Possibility of hazardous reactions	None identified.
10.4 Conditions to avoid	Exposure to sources of heat, sources of ignition, open flame.
10.5 Incompatible materials	Oxidizing agents, acids, iron salts moisture.
10.6 Hazardous decomposition products	In the event of fire: see chapter 5.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	LD50 (Rat): > 2000 mg/kg
Acute oral toxicity	LD50 (Rat): > 2000 mg/kg
Acute Inhalation toxicity	LC50 (Rat): > 12 mg/l
Acute dermal toxicity	LD50 (Rabbits): > 2000 mg/kg
Acute Irritation / corrosion toxicity	Not irritating (OECD 404)
Skin corrosion/irritation	Not irritating (OECD 404)
Serious eye damage/eye irritation	Irritating (OECD 405)
Respiratory or skin sensitization	Not sensitizing

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Germ cell mutagenicity	No data available
Carcinogenicity	No data available
IARC	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
Signs and symptoms of exposure	No data available
Route of exposure	No data available
Aspiration hazard	No data available
Potential health effects	No data available
Inhalation	No data available
Ingestion	No data available
Skin	No data available
Eyes	No data available
RTECS	DH6650000

Signs And Symptoms of Exposure

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

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	LC50 > 100 mg/l / 96h / OECD 203
Toxicity to daphnia and other aquatic invertebrates	LC50 > 100 mg/l / 48h / Daphnia magna / OECD 202
Toxicity to Algae/Aquatic plants	EC50 > 100 mg/l / 72h / OECD 201
Toxicity to microorganisms	EC50 > 100 mg/l / 24h / Achromobacter sp.

12.2 Persistence and degradability

Biodegradation

Result: 90 % - Readily biodegradable. Method: OECD Test Guideline 301

12.3 Bio accumulative potential

Partition coefficient n-Octanol/Water (log Pow): - 2.27 (calculated) Bioaccumulation is not expected (log Pow < 1).

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12.4	Mobility in soil	No data available
12.5	Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
12.6	Other adverse effects	We have no quantitative data concerning the ecological effects of this product.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

No data available.

Contaminated packaging

No data available.

Empty contaminated packaging thoroughly.

Recycling after thorough and proper cleaning possible.

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

-

14.4 Packaging group

ADR/RID

-

IMDG

-

IATA

-

14.5 Environmental hazards

ADR/RID

No

IMDG Marine pollutant

No

IATA

No

14.6 Special precautions for user

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

15 REGULATORY INFORMATION

Polymer Add (Thailand) Co; Ltd.



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

No data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16 OTHER INFORMATION

According to Regulation (EC) No. 1272/2008

H319

Causes serious eye irritation.

According to 67/548/EEC or 1999/45/EC:

R36

Irritating to eyes.

Month of Creation

March 2023

Month of Revision

March 2027