

## Safety Data Sheet

### SODIUM BENZOATE

Revision date :

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## 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                               |

Full text of R-, H- and EUH-phrases: see section 16.

### 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.

P337 + P313

Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

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According to European Directive 67/548/EEC as amended

Xi Irritating

Hazard symbol(s)



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.

S36/37/39

Wear suitable protective clothing, gloves, eye/face protection

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 | C7H5NaO2                             |
| 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.

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#### If swallowed

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

#### 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

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.  
Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

### 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 over 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.

##### Hands protection

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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.                            |
| k) Vapour pressure                              | < 0.01 hPa at 20 Deg C                     |

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|                                          |                                            |
|------------------------------------------|--------------------------------------------|
| l)Vapour density                         | <0.01 hPa                                  |
| m)Relative density                       | 1.5 g/cm <sup>3</sup> 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 |
|--------------|-------------------|

#### 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 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              |
| Germ cell mutagenicity                | No data available            |
| Carcinogenicity                       | No data available            |

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|                                                           |                   |
|-----------------------------------------------------------|-------------------|
| <b>IARC</b>                                               | No data available |
| <b>Reproductive toxicity</b>                              | No data available |
| <b>Specific target organ toxicity - single exposure</b>   | No data available |
| <b>Specific target organ toxicity - repeated exposure</b> | No data available |
| <b>Signs and symptoms of exposure</b>                     | No data available |
| <b>Route of exposure</b>                                  | No data available |
| <b>Aspiration hazard</b>                                  | No data available |
| <b>Potential health effects</b>                           | No data available |
| <b>Inhalation</b>                                         | No data available |
| <b>Ingestion</b>                                          | No data available |
| <b>Skin</b>                                               | No data available |
| <b>Eyes</b>                                               | No data available |
| <b>RTECS</b>                                              | 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

|                                                |                                                                                                                     |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>12.3 Bio accumulative potential</b>         | Partition coefficient n-Octanol/Water (log Pow): - 2.27 (calculated) Bioaccumulation is not expected (log Pow < 1). |
| <b>12.4 Mobility in soil</b>                   | No data available                                                                                                   |
| <b>12.5 Results of PBT and vPvB assessment</b> | PBT/vPvB assessment not available as chemical                                                                       |

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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

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

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#### 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