

## Safety Data Sheet

### BARIUM STEARATE

Revision date :

Page: 1/7

Version : 3.0

NUMBER

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

### 1.1 Product identifiers

Chemical Name	Barium Stearate
CAS NO.	6865-35-6

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

1. Barium stearate is heat stabilizer and lubricant for transparent PVC Compound.

### 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

Barium stearate is not classified according to Regulation (EU) 453/2010 (REACH), Annex II.

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

Label elements	Not classified
Signal word	Not classified
Hazard statement(s)	Not classified

### 2.3 Other hazards

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

#### Component

Chemical Name	Barium stearate
CAS NO	6865-35-6
EC Number	229-966-3
Molecular Formula	C36H70BaO4
Molecular Weight	704.3
Concentration	>=99.5 %

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

## Safety Data Sheet

### BARIUM STEARATE

Revision date :

Page: 2/7

Version : 3.0

NUMBER

<b>If inhaled</b>	Call emergency medical service Keep victim warm and quiet
<b>In case of skin contact</b>	In case of contact with substance, immediately flush eyes with running water at least 20 minutes Remove and isolate contaminated clothing and shoes. Wash contaminated clothing and shoes before reuse. Get immediate medical advice/attention. Call emergency medical service.
<b>In case of eye contact</b>	In case of contact with substance, immediately flush eyes with running water at least 20 minutes. Call emergency medical service
<b>If swallowed</b>	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Move victim to fresh air.

#### 4.2 Most important symptoms and effects, both acute and delayed

Acute effects: No acute effects are anticipated if first aid treatment is applied and is effective.

Delayed effects: No delayed effects are anticipated if first aid treatment is applied and is effective.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Effects of contact or inhalation may be delayed.

## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Dry chemical, alcohol-resistant foam, water spray, CO<sub>2</sub>

### 5.2 Special hazards arising from the substance or mixture

Containers may explode when heated. Some may produce flammable hydrogen gas upon contact with metals. Non-combustible, substance itself does not burn but may decompose upon heating, then produce corrosive and/or toxic fumes. Some are oxidizers and may ignite combustibles. Toxic; inhalation, ingestion or skin contact with material may cause severe injury or death. Contact with molten substance may cause severe burns to skin and eyes. Fire will produce irritating, corrosive and/or toxic gases.

## Safety Data Sheet

### BARIUM STEARATE

Revision date :

Page: 3/7

Version : 3.0

NUMBER

#### 5.3 Advice for firefighters

Dike fire-control water for later disposal; do not scatter the material. Move containers from fire area if you can do it without risk. Fire involving Tanks; Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Do not get water inside containers. Fire involving Tanks; Cool containers with flooding quantities of water until well after fire is out. Fire involving Tanks; Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Fire involving Tanks; Always stay away from tanks engulfed in fire.

#### 5.4 Further information

### 6 ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions protective equipment and emergency procedures

Eliminate all ignition sources. Stop leak if you can do it without risk. Please note that materials and conditions to avoid. Do not touch or walk through spilled material. Do not get water inside containers

#### 6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. - Runoff from fire control may be corrosive and/or toxic and cause pollution

#### 6.3 Methods and materials for containment and cleaning up

Absorb or cover with dry sand, earth or other non-combustible material and transfer to container

#### 6.4 Reference to other sections

No data available

### 7 HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Please note that materials and conditions to avoid. Please work with reference to engineering controls and personal protective equipment.

#### 7.2 Information about protection against explosions and fires

No data available

#### 7.3 Conditions for safe storage including any incompatibilities

Please note that materials and conditions to avoid.

#### 7.4 Specific end use(s)

No data available

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

## Safety Data Sheet

### BARIUM STEARATE

Revision date :

Page: 4/7

Version : 3.0

NUMBER

#### Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

#### Eye/face protection

Wear breathable safety goggles to protect from particulate material causing eye irritation or other disorder. An eye wash unit and safety shower station should be available nearby work place.

#### Hands protection

Wear appropriate protective gloves by considering physical and chemical properties of chemicals.

#### Body Protection

Wear appropriate protective clothing by considering physical and chemical properties of chemicals.

#### Respiratory protection

Breathing protection if dusts are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1). Respiratory protection: Wear NIOSH/MESA approved full or half face piece (with goggles) respiratory protective equipment

## 9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White powder
b) Odour	Not available
c) Odour Threshold	Not available
d) pH (% solution in water)	Not available
e) Melting point/freezing point	160 deg C
f) Initial boiling point and boiling range	661.1 Deg C
g) Flash point	Not available
h) Evaporation rate	Not available
i) Flammability (solid or gas)	Not available
j) Upper/lower flammability or explosive limits	Not available
k) Vapour pressure	1 x 10 <sup>-14</sup> hPa (25°C)
l) Vapour density	Not available
m) Relative density	Not available
n) Water solubility	3.2 mg/L (25°C)
o) Partition coefficient: n-octanol/water	Not available
p) Autoignition temperature	Not available
q) Decomposition temperature	435 °C

## Safety Data Sheet

### BARIUM STEARATE

Revision date :

Page: 5/7

Version : 3.0

NUMBER

r)Viscosity Not available

s)Explosive properties Not available

t)Oxidizing properties Not available

#### 9.2 Other safety information

### 10 STABILITY AND REACTIVITY

10.1	Reactivity	Containers may explode when heated. Some may produce flammable hydrogen gas upon contact with metals Non-combustible, substance itself does not burn but may decompose upon heating, then produce corrosive and/or toxic fumes Some are oxidizers and may ignite combustibles. TOXIC; inhalation, ingestion or skin contact with material may cause severe injury or death Contact with molten substance may cause severe burns to skin and eyes. Fire will produce irritating, corrosive and/or toxic gases.
10.2	Chemical stability	
10.3	Possibility of hazardous reactions	
10.4	Conditions to avoid	Heat
10.5	Incompatible materials	Combustibles, reducing agents . Metals .
10.6	Hazardous decomposition products	Corrosive and/or toxic fume . Irritating, corrosive and/or toxic gases

### 11 TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b>	Rat, LD50 = 2,506 mg/kg
<b>Acute Inhalation toxicity</b>	Not available
<b>Acute dermal toxicity</b>	Not available
<b>Skin corrosion/irritation</b>	May be a human skin irritant, but no studies were found as confirmatory.
<b>Serious eye damage/eye irritation</b>	In eyes irritation test with rabbits, no opacification of the cornea, but caused considerable iritis which subsided in a few days. (Read across; Barium chloride)
<b>Respiratory or skin sensitization</b>	Not available
<b>Germ cell mutagenicity</b>	Mutagenic reactions were not observed in in-vitro test

**Safety Data Sheet**

**BARIUM STEARATE**

Revision date :

Page: 6/7

Version : 3.0

NUMBER

<b>Carcinogenicity</b>	not listed
<b>Reproductive toxicity</b>	In reproductive/developmental toxicity with rats, there was no significant evidence for developmental toxicity.
<b>Specific target organ toxicity - single exposure</b>	In sub-acute oral toxicity study with mice, increased absolute and relative liver weights in high dose mice were observed.
<b>Specific target organ toxicity - repeated exposure</b>	In sub-chronic oral toxicity study with rats, no adverse effects were observed for food consumption, clinical signs, body weight, hematology, serum enzymes, serum ions (Na, K, Ca), gross pathology and histopathology.
<b>Aspiration hazard</b>	Not available

**12 ECOLOGICAL INFORMATION**

12.1 Toxicity	Not available
12.2 <b>Persistence and degradability</b>	
<b>Biodegradation</b>	
Not available	
12.3 Bio accumulative potential	Not available
12.4 Mobility in soil	Not available
12.5 Results of PBT and vPvB assessment	Not available
12.6 Other adverse effects	Not available

**13 DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product**

Waste must be disposed of in accordance with federal, state and local environmental control regulations

**Contaminated packaging**

Consider the required attentions in accordance with waste treatment management regulation.

**14 TRANSPORT INFORMATION**

**14.1 UN number**

ADR/RID	IMDG	IATA
1564	1564	1564

**14.2 UN proper shipping name**

**Safety Data Sheet**

**BARIUM STEARATE**

Revision date :

Page: 7/7

Version : 3.0

NUMBER

	ADR/RID	IMDG	IATA
	Not available	Not available	Not available
<b>14.3 Transport hazard class(es)</b>			
	ADR/RID	IMDG	IATA
	6.1	6.1	6.1
<b>14.4 Packaging group</b>			
	ADR/RID	IMDG	IATA
	III	III	III
<b>14.5 Environmental hazards</b>			
	ADR/RID	IMDG Marine pollutant	IATA
	NO	NO	NO
<b>14.6 Special precautions for user</b>			

**15 REGULATORY INFORMATION**

**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

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