

Polymer Add (Thailand) Co; Ltd.



Safety Data Sheet

1,3:2,4-BIS(3,4-DIMETHYLOBENZYLIDENO) SORBITOL

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NUMBER

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

1.1 Product identifiers

Chemical Name 1,3:2,4-BIS(3,4-DIMETHYLOBENZYLIDENO)
SORBITOL

CAS NO. 135861-56-2

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

1. DMDBS can be used as highly effective clarifying agent for polypropylene Homopolymer, Random copolymer and LLDPE.
2. DMDBS can be blended with polypropylene powder through dry mixing or in master batches.
3. DMDBS along with suitable polypropylene can be used in thin wall injection moulding, film sheet extrusion, blow moulding, and rotating moulding

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalaremprakiat, Lor 9, Soi 22, Yak
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Bangkok - 10250
Thailand
Telephone : 0804531391
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2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Signal word None

Hazard statement(s) None

Precautionary statement(s) None

2.3 Other hazards

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name 1,3:2,4-Bis-O-(3,4-dimethylbenzylidene)-D-sorbitol

CAS NO 135861-56-2

EC Number 413-110-2

Molecular Formula C₂₄H₃₀O₆

Molecular Weight 414.50

Concentration >98

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4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

In case of skin contact

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If swallowed

Get medical advice/attention if you feel unwell. Rinse mouth.

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

Dry chemical, foam, water spray, carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon dioxide, Carbon monoxide

5.3 Advice for firefighters

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment

5.4 Further information

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc

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6.2 Environmental precautions

Prevent product from entering drains

6.3 Methods and materials for containment and cleaning up

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust.

Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents

7.4 Specific end use(s)

No further relevant information available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients Comments

No data available

8.2 Exposure control

Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

Eye/face protection

Safety glasses. A face-shield, if the situation requires.

Hands protection

Protective gloves.

Skin protection

Protective clothing. Protective boots, if the situation requires.

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Body Protection

Protective clothing. Protective boots, if the situation requires.

Respiratory protection

Dust respirator. Follow local and national regulations.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White powder
b) Odour	No data available
c) Odour Threshold	No data available
d) pH (% solution in water)	No data available
e) Melting point/freezing point	250-265 Deg C
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
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	Stable under proper conditions.

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10.3	Possibility of hazardous reactions	No special reactivity has been reported
10.4	Conditions to avoid	No data available
10.5	Incompatible materials	Oxidizing agents
10.6	Hazardous decomposition products	Carbon dioxide, Carbon monoxide

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available
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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

Recycle to process, if possible. Consult your local regional authorities.
You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber
Observe all federal, state and local regulations when disposing of the substance.

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID	IMDG	IATA
Not listed	Not listed	Not listed

14.2 UN proper shipping name

ADR/RID	IMDG	IATA
Not listed	Not listed	Not listed

14.3 Transport hazard class(es)

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ADR/RID

IMDG

IATA

Not listed

Not listed

Not listed

14.4 Packaging group

ADR/RID

IMDG

IATA

Not listed

Not listed

Not listed

14.5 Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

Not listed

Not listed

Not listed

14.6 Special precautions for user

No data available

15 REGULATORY INFORMATION

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

Not listed

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

16 OTHER INFORMATION

Month of Creation

March 2023

Month of Revision

March 2027