

Polymer Add (Thailand) Co; Ltd.



Safety Data Sheet

1,3:2,4-DI(P-CHLOROBENZYLIDENE)-D-SORBITOL

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

1.1 Product identifiers

Chemical Name 1,3:2,4-DI(P-CHLOROBENZYLIDENE)-D-SORBITOL

CAS NO. 82203-23-4

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

1. CHLORO DBS is used in PP, LLDPE, HDPE, Polyformaldehyde, PET, Nylon and PU as a nucleating agent.
2. It is used in transparent polymer products to improve the transparency.
3. It is applicable to resin of top-grade polypropylene product such as medical supplies & food packaging.

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
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2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical and Chemical Hazards No data available.

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

Label elements No data available.

According to European Directive 67/548/EEC as amended No data available.

2.3 Other hazards No data available.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name 1,3:2,4-DI(P-CHLOROBENZYLIDENE)-D-SORBITOL

CAS NO 82203-23-4

EC Number 700-591-1

Molecular Formula C₂₁H₂₂Cl₂O₆

Molecular Weight 441.3

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Concentration	98.0 % Min. (Other impurities and unreacted components 2%)
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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	Get medical aid immediately. wash mouth out with water
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In case of skin contact	Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing & shoes
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In case of eye contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper & lower eyelids. Get medical aid.
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If swallowed	Get medical aid immediately. Wash mouth out with water.
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4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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	No data available.
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5.2 Special hazards arising from the substance or mixture	Use foam, dry chemical or Carbon oxides.
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5.3 Advice for firefighters	No data available.
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5.4 Further information	No data available.
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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 Environmental precautions

No data available.

6.3 Methods and materials for containment and cleaning up

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No data available.

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid breathing dust, vapour, mist, or gas. Avoid contact with skin and eyes.

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)

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

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).

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

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

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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	230-250 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 normal temperatures & pressures.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	Incompatible materials.
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Hazardous decomposition products	Carbon monoxide, carbon dioxide

11 TOXICOLOGICAL INFORMATION

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11.1 Information on toxicological effects

Acute toxicity	No data available.
Acute oral toxicity	No data available.
Acute Inhalation toxicity	No data available.
Acute dermal toxicity	No data available.
Acute Irritation / corrosion 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.
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	May be toxic if inhaled.
Ingestion	May be toxic if swallowed
Skin	Cause skin irritation.
Eyes	Cause eyes irritation.
RTECS	No data available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity No data available.

12.2 Persistence and degradability

Biodegradation

No data available.

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12.3	Bio accumulative potential	No data available.
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	No data available.

13 DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

No data available.

14 TRANSPORT INFORMATION**14.1 UN number****ADR/RID****IMDG****IATA**

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14.2 UN proper shipping name**ADR/RID****IMDG****IATA**

Not dangerous goods

Not dangerous goods

Not dangerous goods

14.3 Transport hazard class(es)**ADR/RID****IMDG****IATA**

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14.4 Packaging group**ADR/RID****IMDG****IATA**

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14.5 Environmental hazards**ADR/RID****IMDG Marine pollutant****IATA**

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14.6 Special precautions for user

No data available.

15 REGULATORY INFORMATION

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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

Month of Creation

March 2023

Month of Revision

March 2027